

RAL-Farben in Trainz (RAL-Farben für Trainz umrechnen.)

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RAL-Farben für Trainz umrechnen.

Die Fahrzeuge der Bahnen werden in der Regel mit RAL-Farben lackiert. Das Problem ist jedoch, dass die RGB-Farben, die sich aus den Farbwerten ergeben, so nicht in Trainz dargestellt werden.

1 Allgemeines

Die Fahrzeuge der Bahnen werden in der Regel mit RAL-Farben lackiert. Das Problem ist jedoch, dass die RGB-Farben, die sich aus den Farbwerten ergeben, so nicht in Trainz dargestellt werden.

2 Umrechnung

Heinz Schubien hat eine Formel errechnet, mit welcher die RGB-Farben in die Trainz-RGB-Werte umgerechnet werden können.

2.1 Berechnungsformel

```
[box]Rot (Trainz) = Rotwert - ((31/255)*Rotwert)
Grün (Trainz) = Grünwert - ((24.8/255)*Grünwert)
Blau (Trainz) = Blauwert - ((10.8/255)*Blauwert)
[/box]
```

3 Farbtabellen

3.1 Gelb und Beige

[realhtml]

```
<div class="container bbcodeTable">
<table class="table responsiveTable">
```

```
<tbody>
```

```
<tr>
```

```
<th width="75">RAL</th>
```

```
<th width="250">Farbname</th>
```

```
<th width="100">R, G, B</th>
```

```
<th width="100">R, G, B (Trainz)</th>
```

```
</tr><tr>
```

```
<td style="background:#D6C794;">1000</td><td>Grünbeige (Green beige)</td><td>214, 199, 148</td><td>188, 180, 142</td>
```

```
</tr><tr>
```

```
<td style="background:#D9BA8C;">1001</td><td>Beige (Beige)</td><td>217, 186, 140</td><td>191, 168, 134</td>
```

```
</tr><tr>
```

```
<td style="background:#D6B075;">1002</td><td>Sandgelb (Sand yellow)</td><td>214, 176, 117</td><td>188, 159, 112</td>
```

```
</tr><tr>
```

```
<td style="background:#FCA329;">1003</td><td>Signalgelb (Signal yellow)</td><td>252, 163, 041</td><td>221, 147, 039</td>
```

```
</tr><tr>
```

```
<td style="background:#E39624;">1004</td><td>Goldgelb (Golden yellow)</td><td>227, 150, 036</td><td>199, 135, 034</td>
```

```
</tr><tr>
```

```
<td style="background:#C98721;">1005</td><td>Honiggelb (Honey yellow)</td><td>201, 135, 033</td><td>177, 122, 032</td>
```

```
</tr><tr>
```

```
<td style="background:#E0821F;">1006</td><td>Maisgelb (Maize yellow)</td><td>224, 130, 031</td><td>197, 117, 030</td>
```

```
</tr><tr>
```

```
<td style="background:#E37A1F;">1007</td><td>Narzissengelb (Daffodil yellow)</td><td>227, 122, 031</td><td>199, 110, 030</td>
```

```
</tr><tr>
```

```
<td style="background:#AD7A4F;">1011</td><td>Braunbeige (Brown beige)</td><td>173, 122, 079</td><td>152, 110, 076</td>
```

```
</tr><tr>
```

```
<td style="background:#E3B838;">1012</td><td>Zitronengelb (Lemon yellow)</td><td>227, 184, 056</td><td>199, 166, 054</td>
```

```
</tr><tr>
```

```
<td style="background:#FFF5E3;">1013</td><td>Perlweiß (Oyster white)</td><td>255, 245, 227</td><td>224, 221, 217</td>
```

```
</tr><tr>
```

```
<td style="background:#F0D6AB;">1014</td><td>Elfenbein (Ivory)</td><td>240, 214, 171</td><td>211, 193, 164</td>
```

```
</tr><tr>
```

```
<td style="background:#FCEBCC;">1015</td><td>Hellelfenbein (Light ivory)</td><td>252, 235, 204</td><td>221, 212, 195</td>
```

```
</tr><tr>
```

```
<td style="background:#FFF542;">1016</td><td>Schwefelgelb (Sulfur yellow)</td><td>255, 245, 066</td><td>224, 221, 063</td>
```

```
</tr><tr>
```

```
<td style="background:#FFAB59;">1017</td><td>Safrangelb (Saffron yellow)</td><td>255, 171, 089</td><td>224, 154, 085</td>
```

```
</tr><tr>
```

```
<td style="background:#FFD64D;">1018</td><td>Zinkgelb (Zinc yellow)</td><td>255, 214,
```

```

077</td><td>224, 193, 074</td>
</tr><tr>
<td style="background:#A38C7A;">1019</td><td>Graubeige (Grey beige)</td><td>163, 140, 122</td><td>143, 126, 117</td>
</tr><tr>
<td style="background:#9C8F61;">1020</td><td>Olivgelb (Olive yellow)</td><td>156, 143, 097</td><td>137, 129, 093</td>
</tr><tr>
<td style="background:#FCBD1F;">1021</td><td>Rapsgeilb (Rape yellow)</td><td>252, 189, 031</td><td>221, 171, 030</td>
</tr><tr>
<td style="background:#FCB821;">1023</td><td>Verkehrsgelb (Traffic yellow)</td><td>252, 184, 033</td><td>221, 166, 032</td>
</tr><tr>
<td style="background:#B58C4F;">1024</td><td>Ockergelb (Ochre yellow)</td><td>181, 140, 079</td><td>159, 126, 076</td>
</tr><tr>
<td style="background:#FFFF0A;">1026</td><td>Leuchtgelb (Luminous yellow)</td><td>255, 255, 010</td><td>224, 230, 010</td>
</tr><tr>
<td style="background:#997521; color:white;">1027</td><td>Currygelb (Curry)</td><td>153, 117, 033</td><td>134, 106, 032</td>
</tr><tr>
<td style="background:#FF8C1A;">1028</td><td>Melonengelb (Melon yellow)</td><td>255, 140, 026</td><td>224, 126, 025</td>
</tr><tr>
<td style="background:#E3A329;">1032</td><td>Ginstergelb (Broom yellow)</td><td>227, 163, 041</td><td>199, 147, 039</td>
</tr><tr>
<td style="background:#F7995C;">1033</td><td>Dahliengelb (Dahlia yellow)</td><td>255, 148, 054</td><td>224, 134, 052</td>
</tr><tr>
<td style="background:#FF9436;">1034</td><td>Pastellgelb (Pastel yellow)</td><td>247, 153, 092</td><td>217, 138, 088</td>
</tr>
</tbody>
</table>
</div>
[realhtml]

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3.2 Orange

```

[realhtml]
<div class="container bbcodeTable">
<table class="table responsiveTable">
<tbody>
<tr>
<th width="75">RAL</th>
<th width="250">Farbname</th>
<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#E05E1F; color:white;">2000</td><td>Gelborange (Yellow orange)</td><td>224, 094, 031</td><td>197, 085, 030</td>

```

```

</tr><tr>
<td style="background:#BA2E21; color:white;">2001</td><td>Rotorange (Red orange)</td><td>186, 046, 033</td><td>163, 042, 032</td>
</tr><tr>
<td style="background:#CC241C; color:white;">2002</td><td>Blutorange (Vermilion)</td><td>204, 036, 028</td><td>179, 032, 027</td>
</tr><tr>
<td style="background:#FF6336;">2003</td><td>Pastellorange (Pastel orange)</td><td>255, 099, 054</td><td>224, 089, 052</td>
</tr><tr>
<td style="background:#F23B1C; color:white;">2004</td><td>Reinorange (Pure orange)</td><td>242, 059, 028</td><td>213, 053, 027</td>
</tr><tr>
<td style="background:#FC1C14; color:white;">2005</td><td>Leuchtorange (Luminous orange)</td><td>252, 028, 020</td><td>221, 025, 019</td>
</tr><tr>
<td style="background:#FF7521;">2007</td><td>Leuchthell orange (Luminous bright orange)</td><td>255, 117, 033</td><td>224, 106, 032</td>
</tr><tr>
<td style="background:#FA4F29; color:white;">2008</td><td>Hellrotorange (Bright red orange)</td><td>250, 079, 041</td><td>220, 071, 039</td>
</tr><tr>
<td style="background:#EB3B1C; color:white;">2009</td><td>Verkehrsorange (Traffic orange)</td><td>235, 059, 028</td><td>206, 053, 027</td>
</tr><tr>
<td style="background:#D44529; color:white;">2010</td><td>Signalorange (Signal orange)</td><td>212, 069, 041</td><td>186, 062, 039</td>
</tr><tr>
<td style="background:#ED5C29;">2011</td><td>Tieforange (Deep orange)</td><td>237, 092, 041</td><td>208, 083, 039</td>
</tr><tr>
<td style="background:#DE5247; color:white;">2012</td><td>Lachsorange (Salmon orange)</td><td>222, 082, 071</td><td>195, 074, 068</td>
</tr>
</tbody>
</table>
</div>
[realhtml]

```

3.3 Rot

```

[realhtml]
<div class="container bbcodeTable">
<table class="table responsiveTable">
<tbody>
<tr>
<th width="75">RAL</th>
<th width="250">Farbname</th>
<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#AB1F1C; color:white;">3000</td><td>Feuerrot (Flame red)</td><td>171, 031, 028</td><td>150, 028, 027</td>
</tr><tr>

```

3001	Signalrot (Signal red)	163, 023, 026	143, 021, 025
3002	Karminrot (Carmine red)	163, 026, 026	143, 023, 025
3003	Rubinrot (Ruby red)	138, 018, 020	121, 016, 019
3004	Purpurrot (Purple red)	105, 015, 020	092, 014, 019
3005	Weinrot (Wine red)	079, 018, 026	069, 016, 025
3007	Schwarzrot (Black red)	046, 018, 026	040, 016, 025
3009	Oxidrot (Oxide red)	094, 033, 033	083, 030, 032
3011	Braunrot (Brown red)	120, 020, 023	105, 018, 022
3012	Beigerot (Beige red)	204, 130, 115	179, 117, 110
3013	Tomatenrot (Tomato red)	150, 031, 028	132, 028, 027
3014	Altrosa (Antique pink)	217, 102, 117	191, 092, 112
3015	Hellrosa (Light pink)	232, 156, 181	204, 141, 173
3016	Korallenrot (Coral red)	166, 036, 038	146, 032, 036
3017	Rosé (Rose)	209, 054, 084	184, 049, 080
3018	Erdbeerrot (Strawberry red)	207, 041, 066	182, 037, 063
3020	Verkehrsrot (Traffic red)	199, 023, 018	175, 021, 017
3022	Lachsrot (Salmon pink)	217, 089, 079	191, 080, 076
3024	Leuchtrot (Luminous red)	252, 010, 028	221, 009, 027
3026	Leuchthellrot (Luminous bright red)	252, 020, 020	221, 018, 019

```

</tr><tr>
<td style="background:#B51233; color:white;">3027</td><td>Himbeerrot (Raspberry red)</td><td>181, 018, 051</td><td>159, 016, 049</td>
</tr><tr>
<td style="background:#A61C2E; color:white;">3031</td><td>Orientrot (Orient red)</td><td>166, 028, 046</td><td>146, 025, 044</td>
</tr>
</tbody>
</table>
</div>
[/realhtml]

```

3.4 Violett

```

[/realhtml]
<div class="container bbcodeTable">
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<tr>
<th width="75">RAL</th>
<th width="250">Farbname</th>
<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#824080; color:white;">4001</td><td>Rotlila (Red lilac)</td><td>130, 064, 128</td><td>114, 058, 123</td>
</tr><tr>
<td style="background:#8F2640; color:white;">4002</td><td>Rotviolett (Red violet)</td><td>143, 038, 064</td><td>126, 034, 061</td>
</tr><tr>
<td style="background:#C9388C; color:white;">4003</td><td>Erikaviolett (Heather violet)</td><td>201, 056, 140</td><td>177, 051, 134</td>
</tr><tr>
<td style="background:#5C082B; color:white;">4004</td><td>Bordeauxviolett (Claret violet)</td><td>092, 008, 043</td><td>081, 007, 041</td>
</tr><tr>
<td style="background:#633D9C; color:white;">4005</td><td>Blaulila (Blue lilac)</td><td>099, 061, 156</td><td>087, 055, 149</td>
</tr><tr>
<td style="background:#910F66; color:white;">4006</td><td>Verkehrspurpur (Traffic purple)</td><td>145, 015, 102</td><td>127, 014, 098</td>
</tr><tr>
<td style="background:#380A2E; color:white;">4007</td><td>Purpurviolett (Purple violet)</td><td>056, 010, 046</td><td>049, 009, 044</td>
</tr><tr>
<td style="background:#7D1F7A; color:white;">4008</td><td>Signalviolett (Signal violet)</td><td>125, 031, 122</td><td>110, 028, 117</td>
</tr><tr>
<td style="background:#9E7394; color:white;">4009</td><td>Pastellviolett (Pastel violet)</td><td>158, 115, 148</td><td>139, 104, 142</td>
</tr><tr>
<td style="background:#BF1773; color:white;">4010</td><td>Telemagenta (Telemagenta)</td><td>191, 023, 115</td><td>168, 021, 110</td>
</tr>

```

```

</tbody>
</table>
</div>
[/realhtml]

```

3.5 Blau

```

[realhtml]
<div class="container bbcodeTable">
<table class="table responsiveTable">
<tbody>
<tr>
<th width="75">RAL</th>
<th width="250">Farbname</th>
<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#17336B; color:white;">5000</td><td>Violettblau (Violet blue)</td><td>023, 051, 107</td><td>020, 046, 102</td>
</tr><tr>
<td style="background:#0A3354; color:white;">5001</td><td>Grünblau (Green blue)</td><td>010, 051, 084</td><td>009, 046, 080</td>
</tr><tr>
<td style="background:#000F75; color:white;">5002</td><td>Ultramarinblau (Ultramarine blue)</td><td>000, 015, 117</td><td>000, 014, 112</td>
</tr><tr>
<td style="background:#001745; color:white;">5003</td><td>Saphirblau (Sapphire blue)</td><td>000, 023, 069</td><td>000, 021, 066</td>
</tr><tr>
<td style="background:#030D1F; color:white;">5004</td><td>Schwarzblau (Black blue)</td><td>003, 013, 031</td><td>003, 012, 030</td>
</tr><tr>
<td style="background:#002E7A; color:white;">5005</td><td>Signalblau (Signal blue)</td><td>000, 046, 122</td><td>000, 042, 117</td>
</tr><tr>
<td style="background:#264F87; color:white;">5007</td><td>Brillantblau (Brilliant blue)</td><td>038, 079, 135</td><td>033, 071, 129</td>
</tr><tr>
<td style="background:#1A2938; color:white;">5008</td><td>Graublau (Grey blue)</td><td>026, 041, 056</td><td>023, 037, 054</td>
</tr><tr>
<td style="background:#174570; color:white;">5009</td><td>Azurblau (Azure blue)</td><td>023, 069, 112</td><td>020, 062, 107</td>
</tr><tr>
<td style="background:#002B70; color:white;">5010</td><td>Enzianblau (Gentian blue)</td><td>000, 043, 112</td><td>000, 039, 107</td>
</tr><tr>
<td style="background:#03142E; color:white;">5011</td><td>Stahlblau (Steel blue)</td><td>003, 020, 046</td><td>003, 018, 044</td>
</tr><tr>
<td style="background:#2973B8; color:white;">5012</td><td>Lichtblau (Light blue)</td><td>041, 115, 184</td><td>036, 104, 176</td>
</tr><tr>
<td style="background:#001245; color:white;">5013</td><td>Kobaltblau (Cobalt blue)</td><td>000, 018,

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069</td><td>000, 016, 066</td>
</tr><tr>
<td style="background:#4D6999; color:white;">5014</td><td>Taubenblau (Pigeon blue)</td><td>077, 105,
153</td><td>068, 095, 147</td>
</tr><tr>
<td style="background:#1761AB; color:white;">5015</td><td>Himmelblau (Sky blue)</td><td>023, 097,
171</td><td>020, 088, 164</td>
</tr><tr>
<td style="background:#003B80; color:white;">5017</td><td>Verkehrsblau (Traffic blue)</td><td>000, 059,
128</td><td>000, 053, 123</td>
</tr><tr>
<td style="background:#389482; color:white;">5018</td><td>Türkisblau (Turquoise blue)</td><td>056, 148,
130</td><td>049, 134, 124</td>
</tr><tr>
<td style="background:#0A4278; color:white;">5019</td><td>Capriblau (Capri blue)</td><td>010, 066,
120</td><td>009, 060, 115</td>
</tr><tr>
<td style="background:#053333; color:white;">5020</td><td>Ozeanblau (Ocean blue)</td><td>005, 051,
051</td><td>004, 046, 049</td>
</tr><tr>
<td style="background:#1A7A63; color:white;">5021</td><td>Wasserblau (Water blue)</td><td>026, 122,
099</td><td>023, 110, 095</td>
</tr><tr>
<td style="background:#00084F; color:white;">5022</td><td>Nachtblau (Night blue)</td><td>000, 008,
079</td><td>000, 007, 076</td>
</tr><tr>
<td style="background:#2E528F; color:white;">5023</td><td>Fernblau (Distant blue)</td><td>046, 082,
143</td><td>040, 074, 137</td>
</tr><tr>
<td style="background:#578CB5; color:white;">5024</td><td>Pastellblau (Pastel blue)</td><td>087, 140,
181</td><td>076, 126, 173</td>
</tr>
</tbody>
</table>
</div>
[/realhtml]

```

3.6 Grün

```

[/realhtml]
<div class="container bbcodeTable">
<table class="table responsiveTable">
<tbody>
<tr>
<th width="75">RAL</th>
<th width="250">Farbname</th>
<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#337854; color:white;">6000</td><td>Patinagrün (Patina green)</td><td>051, 120,
084</td><td>045, 108, 080</td>
</tr><tr>
<td style="background:#266629; color:white;">6001</td><td>Smaragdgrün (Emerald green)</td><td>038,
102, 041</td><td>033, 092, 039</td>

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```

</tr><tr>
<td style="background:#265721; color:white;">6002</td><td>Laubgrün (Leaf green)</td><td>038, 087, 033</td><td>033, 079, 032</td>
</tr><tr>
<td style="background:#3D452E; color:white;">6003</td><td>Olivgrün (Olive green)</td><td>061, 069, 046</td><td>054, 062, 044</td>
</tr><tr>
<td style="background:#0D3B2E; color:white;">6004</td><td>Blaugrün (Blue green)</td><td>013, 059, 046</td><td>011, 053, 044</td>
</tr><tr>
<td style="background:#0A381F; color:white;">6005</td><td>Moosgrün (Moss green)</td><td>010, 056, 031</td><td>009, 051, 030</td>
</tr><tr>
<td style="background:#292B24; color:white;">6006</td><td>Grauoliv (Grey olive)</td><td>041, 043, 036</td><td>036, 039, 034</td>
</tr><tr>
<td style="background:#1C2617; color:white;">6007</td><td>Flaschengrün (Bottle green)</td><td>028, 038, 023</td><td>025, 034, 022</td>
</tr><tr>
<td style="background:#21211A; color:white;">6008</td><td>Braungrün (Brown green)</td><td>033, 033, 026</td><td>029, 030, 025</td>
</tr><tr>
<td style="background:#17291C; color:white;">6009</td><td>Tannengrün (Fir green)</td><td>023, 041, 028</td><td>020, 037, 027</td>
</tr><tr>
<td style="background:#366926; color:white;">6010</td><td>Grasgrün (Grass green)</td><td>054, 105, 038</td><td>047, 095, 036</td>
</tr><tr>
<td style="background:#5E7D4F; color:white;">6011</td><td>Resedagrün (Reseda green)</td><td>094, 125, 079</td><td>083, 113, 076</td>
</tr><tr>
<td style="background:#1F2E2B; color:white;">6012</td><td>Schwarzgrün (Black green)</td><td>031, 046, 043</td><td>027, 042, 041</td>
</tr><tr>
<td style="background:#75734F; color:white;">6013</td><td>Schilfgrün (Reed green)</td><td>117, 115, 079</td><td>103, 104, 076</td>
</tr><tr>
<td style="background:#333026; color:white;">6014</td><td>Gelboliv (Yellow olive)</td><td>051, 048, 038</td><td>045, 043, 036</td>
</tr><tr>
<td style="background:#292B26; color:white;">6015</td><td>Schwarzoliv (Black olive)</td><td>041, 043, 038</td><td>036, 039, 036</td>
</tr><tr>
<td style="background:#0F7033; color:white;">6016</td><td>Türkisgrün (Turquoise green)</td><td>015, 112, 051</td><td>013, 101, 049</td>
</tr><tr>
<td style="background:#408236; color:white;">6017</td><td>Maigrün (May green)</td><td>064, 130, 054</td><td>056, 117, 052</td>
</tr><tr>
<td style="background:#4FA833;">6018</td><td>Gelbgrün (Yellow green)</td><td>079, 168, 051</td><td>069, 152, 049</td>
</tr><tr>
<td style="background:#BFE3BA;">6019</td><td>Weißgrün (Pastel green)</td><td>191, 227, 186</td><td>168, 205, 178</td>
</tr><tr>
<td style="background:#263829; color:white;">6020</td><td>Chromoxidgrün (Chrome green)</td><td>038,

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056, 041</td><td>033, 051, 039</td>
</tr><tr>
<td style="background:#85A67A;">6021</td><td>Blaßgrün (Pale green)</td><td>133, 166, 122</td><td>117, 150, 117</td>
</tr><tr>
<td style="background:#2B261C; color:white;">6022</td><td>Braunoliv (Olive drab)</td><td>043, 038, 028</td><td>038, 034, 027</td>
</tr><tr>
<td style="background:#249140; color:white;">6024</td><td>Verkehrsgrün (Traffic green)</td><td>036, 145, 064</td><td>032, 131, 061</td>
</tr><tr>
<td style="background:#4A6E33; color:white;">6025</td><td>Farngrün (Fern green)</td><td>074, 110, 051</td><td>065, 099, 049</td>
</tr><tr>
<td style="background:#0A5C33; color:white;">6026</td><td>Opalgrün (Opal green)</td><td>010, 092, 051</td><td>009, 083, 049</td>
</tr><tr>
<td style="background:#7DCCBD;">6027</td><td>Lichtgrün (Light green)</td><td>125, 204, 189</td><td>110, 184, 181</td>
</tr><tr>
<td style="background:#264A33; color:white;">6028</td><td>Kieferngrün (Pine green)</td><td>038, 074, 051</td><td>033, 067, 049</td>
</tr><tr>
<td style="background:#127826; color:white;">6029</td><td>Minzgrün (Mint green)</td><td>018, 120, 038</td><td>016, 108, 036</td>
</tr><tr>
<td style="background:#298A40; color:white;">6032</td><td>Signalgrün (Signal green)</td><td>041, 138, 064</td><td>036, 125, 061</td>
</tr><tr>
<td style="background:#428C78; color:white;">6033</td><td>Minttürkis (Mint turquoise)</td><td>066, 140, 120</td><td>058, 126, 115</td>
</tr><tr>
<td style="background:#7DBDB5;">6034</td><td>Pastelltürkis (Pastel turquoise)</td><td>125, 189, 181</td><td>110, 171, 173</td>
</tr>
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</table>
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3.7 Grau

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<th width="75">RAL</th>
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<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#738591;">7000</td><td>Fehgrau (Squirrel grey)</td><td>115, 133, 145</td><td>101, 120, 139</td>

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</tr><tr>
<td style="background:#8794A6;">7001</td><td>Silbergrau (Silver grey)</td><td>135, 148, 166</td><td>119, 134, 159</td>
</tr><tr>
<td style="background:#7A7561; color:white;">7002</td><td>Olivgrau (Olive grey)</td><td>122, 117, 097</td><td>107, 106, 093</td>
</tr><tr>
<td style="background:#707061; color:white;">7003</td><td>Moosgrau (Moss grey)</td><td>112, 112, 097</td><td>098, 101, 093</td>
</tr><tr>
<td style="background:#9C9CA6;">7004</td><td>Signalgrau (Signal grey)</td><td>156, 156, 166</td><td>137, 141, 159</td>
</tr><tr>
<td style="background:#616969; color:white;">7005</td><td>Mausgrau (Mouse grey)</td><td>097, 105, 105</td><td>085, 095, 101</td>
</tr><tr>
<td style="background:#6B6157; color:white;">7006</td><td>Beigegrü (Beige grey)</td><td>107, 097, 087</td><td>094, 088, 083</td>
</tr><tr>
<td style="background:#695438; color:white;">7008</td><td>Khakigrü (Khaki grey)</td><td>105, 084, 056</td><td>092, 076, 054</td>
</tr><tr>
<td style="background:#4D524A; color:white;">7009</td><td>Grüngrü (Green grey)</td><td>077, 082, 074</td><td>068, 074, 071</td>
</tr><tr>
<td style="background:#4A4F4A; color:white;">7010</td><td>Zeltgrü (Tarpaulin grey)</td><td>074, 079, 074</td><td>065, 071, 071</td>
</tr><tr>
<td style="background:#404A54; color:white;">7011</td><td>Eisengrü (Iron grey)</td><td>064, 074, 084</td><td>056, 067, 080</td>
</tr><tr>
<td style="background:#4A5459; color:white;">7012</td><td>Basaltgrü (Basalt grey)</td><td>074, 084, 089</td><td>065, 076, 085</td>
</tr><tr>
<td style="background:#474238; color:white;">7013</td><td>Braungrü (Brown grey)</td><td>071, 066, 056</td><td>062, 060, 054</td>
</tr><tr>
<td style="background:#3D4252; color:white;">7015</td><td>Schiefergrü (Slate grey)</td><td>061, 066, 082</td><td>054, 060, 079</td>
</tr><tr>
<td style="background:#262E38; color:white;">7016</td><td>Anthrazitgrü (Anthracite grey)</td><td>038, 046, 056</td><td>033, 042, 054</td>
</tr><tr>
<td style="background:#1A2129; color:white;">7021</td><td>Schwarzgrü (Black grey)</td><td>026, 033, 041</td><td>023, 030, 039</td>
</tr><tr>
<td style="background:#3D3D3B; color:white;">7022</td><td>Umbragrü (Umbra grey)</td><td>061, 061, 059</td><td>054, 055, 057</td>
</tr><tr>
<td style="background:#7A7D75; color:white;">7023</td><td>Betongrü (Concrete grey)</td><td>122, 125, 117</td><td>107, 113, 112</td>
</tr><tr>
<td style="background:#303845; color:white;">7024</td><td>Graphitgrü (Graphite grey)</td><td>048, 056, 069</td><td>042, 051, 066</td>
</tr><tr>
<td style="background:#263338; color:white;">7026</td><td>Granitgrü (Granite grey)</td><td>038, 051,

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056	033, 046, 054
7030	Steingrau (Stone grey)
145, 143, 135	127, 129, 129
7031	Blaugrau (Blue grey)
077, 092, 107	068, 083, 102
7032	Kieselgrau (Pebble grey)
189, 186, 171	166, 168, 164
7033	Zementgrau (Cement grey)
122, 130, 117	107, 117, 112
7034	Gelbgrau (Yellow grey)
143, 135, 112	126, 122, 107
7035	Lichtgrau (Light grey)
212, 217, 219	186, 196, 210
7036	Platingrau (Platinum grey)
158, 150, 156	139, 135, 149
7037	Staubgrau (Dusty grey)
122, 125, 128	107, 113, 123
7038	Achatgrau (Agate grey)
186, 189, 186	163, 171, 178
7039	Quarzgrau (Quartz grey)
097, 094, 089	085, 085, 085
7040	Fenstergrau (Window grey)
158, 163, 176	139, 147, 169
7042	Verkehrsgrau A (Traffic grey A)
143, 150, 153	126, 135, 147
7043	Verkehrsgrau B (Traffic grey B)
064, 069, 069	056, 062, 066
7044	Seidengrau (Silk grey)
194, 191, 184	170, 172, 176
7045	Telegrau 1 (Telegrey 1)
143, 148, 158	126, 134, 151
7046	Telegrau 2 (Telegrey 2)
120, 130, 140	105, 117, 134
7047	Telegrau 4 (Telegrey 4)
217, 214, 219	191, 193, 210

[/realhtml]

3.8 Braun

[realhtml]

container bbcodeTable			
table responsiveTable			
tbody			
tr			
th width="75">RAL</th>			
th width="250">Farbname</th>			
th width="100">R, G, B</th>			
th width="100">R, G, B (Trainz)</th>			
</tr><tr>			
8000	Grünbraun (Green brown)	125, 092, 056	110, 083, 054
</tr><tr>			
8001	Ockerbraun (Ochre brown)	145, 082, 046	127, 074, 044
</tr><tr>			
8002	Signalbraun (Signal brown)	110, 059, 048	097, 053, 046
</tr><tr>			
8003	Lehmbraun (Clay brown)	115, 059, 036	101, 053, 034
</tr><tr>			
8004	Kupferbraun (Copper brown)	133, 056, 043	117, 051, 041
</tr><tr>			
8007	Rehbraun (Fawn brown)	094, 051, 031	083, 046, 030
</tr><tr>			
8008	Olivbraun (Olive brown)	099, 061, 036	087, 055, 034
</tr><tr>			
8011	Nußbraun (Nut brown)	071, 038, 028	062, 034, 027
</tr><tr>			
8012	Rotbraun (Red brown)	084, 031, 031	074, 028, 030
</tr><tr>			
8014	Sepiabraun (Sepia brown)	056, 038, 028	049, 034, 027
</tr><tr>			
8015	Kastanienbraun (Chestnut brown)	077, 031, 028	068, 028, 027
</tr><tr>			
8016	Mahagonibraun (Mahogany brown)	061, 031, 028	054, 028, 027
</tr><tr>			
8017	Schokoladenbraun (Chocolate brown)	046, 028, 028	040, 025, 027
</tr><tr>			
8019	Graubraun (Grey brown)	043, 038,	

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041</td><td>038, 034, 039</td>
</tr><tr>
<td style="background:#0D080D; color:white;">8022</td><td>Schwarzbraun (Black brown)</td><td>013,
008, 013</td><td>011, 007, 012</td>
</tr><tr>
<td style="background:#9C4529; color:white;">8023</td><td>Orangebraun (Orange brown)</td><td>156,
069, 041</td><td>137, 062, 039</td>
</tr><tr>
<td style="background:#6E4030; color:white;">8024</td><td>Beigebraun (Beige brown)</td><td>110, 064,
048</td><td>097, 058, 046</td>
</tr><tr>
<td style="background:#664A3D; color:white;">8025</td><td>Blaßbraun (Pale brown)</td><td>102, 074,
061</td><td>090, 067, 058</td>
</tr><tr>
<td style="background:#402E21; color:white;">8028</td><td>Terrabraun (Terra brown)</td><td>064, 046,
033</td><td>056, 042, 032</td>
</tr>
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3.9 Weiß und Schwarz

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<div class="container bbcodeTable">
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<tbody>
<tr>
<th width="75">RAL</th>
<th width="250">Farbname</th>
<th width="100">R, G, B</th>
<th width="100">R, G, B (Trainz)</th>
</tr><tr>
<td style="background:#FFFCF0;">9001</td><td>Cremeweiß (Cream)</td><td>255, 252, 240</td><td>224,
227, 230</td>
</tr><tr>
<td style="background:#F0EDE6;">9002</td><td>Grauweiß (Grey white)</td><td>240, 237,
230</td><td>211, 214, 220</td>
</tr><tr>
<td style="background:#FFFFFF;">9003</td><td>Signalweiß (Signal white)</td><td>255, 255,
255</td><td>224, 230, 244</td>
</tr><tr>
<td style="background:#1C1C21; color:white;">9004</td><td>Signalschwarz (Signal black)</td><td>028,
028, 033</td><td>025, 025, 032</td>
</tr><tr>
<td style="background:#03050A; color:white;">9005</td><td>Tiefschwarz (Jet black)</td><td>003, 005,
010</td><td>003, 005, 010</td>
</tr><tr>
<td style="background:#A6ABB5;">9006</td><td>Weißaluminium (White aluminium)</td><td>166, 171,
181</td><td>146, 154, 173</td>
</tr><tr>
<td style="background:#7D7A78; color:white;">9007</td><td>Graualuminium (Grey aluminium)</td><td>125,
122, 120</td><td>110, 110, 115</td>
</tr>
</tbody>
</table>
[/realhtml]

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</tr><tr>
<td style="background:#FAFFFF;">9010</td><td>Reinweiß (Pure white)</td><td>250, 255, 255</td><td>220, 230, 244</td>
</tr><tr>
<td style="background:#0D121A; color:white;">9011</td><td>Graphitschwarz (Graphite black)</td><td>013, 018, 026</td><td>011, 016, 025</td>
</tr><tr>
<td style="background:#FCFFFF;">9016</td><td>Verkehrsweiß (Traffic white)</td><td>252, 255, 255</td><td>221, 230, 244</td>
</tr><tr>
<td style="background:#14171C; color:white;">9017</td><td>Verkehrsschwarz (Traffic black)</td><td>020, 023, 028</td><td>018, 021, 027</td>
</tr><tr>
<td style="background:#DBE3DE;">9018</td><td>Papyrusweiß (Papyrus white)</td><td>219, 227, 222</td><td>192, 205, 213</td>
</tr>
</tbody>
</table>
</div>
[realhtml]

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4 Downloads

4.1 Farbkarten

Kompakte Farbkarte, die alle oben aufgelisteten Farben enthält:

4.1.1 GIF-Vorschau

1000	2000	3018	5011	6014	7010	7047	9010
1001	2001	3020	5012	6015	7011	8000	9011
1002	2002	3022	5013	6016	7012	8001	9016
1003	2003	3024	5014	6017	7013	8002	9017
1004	2004	3026	5015	6018	7015	8003	9018
1005	2005	3027	5017	6019	7016	8004	
1006	2007	3031	5018	6020	7021	8007	
1007	2008	4001	5019	6021	7022	8008	
1011	2009	4002	5020	6022	7023	8011	
1012	2010	4003	5021	6024	7024	8012	
1013	2011	4004	5022	6025	7026	8014	
1014	2012	4005	5023	6026	7030	8015	
1015	3000	4006	5024	6027	7031	8016	
1016	3001	4007	6000	6028	7032	8017	
1017	3002	4008	6001	6029	7033	8019	
1018	3003	4009	6002	6032	7034	8022	
1019	3004	4010	6003	6033	7035	8023	
1020	3005	5000	6004	6034	7036	8024	
1021	3007	5001	6005	7000	7037	8025	
1023	3009	5002	6006	7001	7038	8028	
1024	3011	5003	6007	7002	7039	9001	
1026	3012	5004	6008	7003	7040	9002	
1027	3013	5005	6009	7004	7042	9003	
1028	3014	5007	6010	7005	7043	9004	
1032	3015	5008	6011	7006	7044	9005	
1033	3016	5009	6012	7008	7045	9006	
1034	3017	5010	6013	7009	7046	9007	

<https://www.trainz.de/lexikon/farben/55-farbkarten-in-trainz-farben-14c30000-trainz-umrechnen/>

4.1.2 TGA-Download

Download im TGA-Format:

[RALklein.tga](#)

4.2 Excel-Tabelle

Excel-Tabelle von Christoph (Technician). Aus dieser können die Trainz-RGB-Werte zu den RAL-Farben ausgelesen werden.

Download der Excel-Tabelle: [Trainz RAL Umrechner.xls](#)

4.3 Software

Von DB_420 gibt es eine Software zur Anpassung von Texturen, sie befindet sich im Downloadbereich des TrainzDepot-Archivs: [TrainzTex](#)