Fargelære og bruk av VITA-3D fargeskalaen

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Lyskilder
At sunrise and sunset, red perception (red and orange) is visible due to the penetrating long wavelength components of sunlight. In the daytime, blue perception (bluish violet and blue) is scattered by the atmosphere, appearing as a blue sky compared to the red sun. The Earth is depicted with these lighting and atmospheric effects.
Dagslys

Lysrør

Direkte sollys

Glødelampe
Hvordan måles farger?
Kolorimetri
Hvilke farger har tenner?
Specular (white) and diffuse reflection (yellow-orange)

Incident white light

Maximum diffuse transmission (high translucency)

Reduced diffuse transmission (yellow-orange)

Pink hue from gum

Direction of regular transmission if the tooth were made of transparent glass
Hvordan illuderer e farge på kunstige tenner?
Ceramo-metallic system  Full-porcelain crown  Natural tooth

Shadow
<table>
<thead>
<tr>
<th>Layer</th>
<th>Shade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion</td>
<td>A</td>
</tr>
<tr>
<td>Occlusal</td>
<td>B</td>
</tr>
<tr>
<td>Platform</td>
<td>C</td>
</tr>
<tr>
<td>Incisal</td>
<td>D</td>
</tr>
</tbody>
</table>

**Vitalachrom „L“**

<table>
<thead>
<tr>
<th>Color</th>
<th>Shade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>716</td>
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<tr>
<td>A2</td>
<td>716</td>
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<td>A3</td>
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<td>A4</td>
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<td>B1</td>
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</tr>
</tbody>
</table>

**Vita Zahnfabrik H. Rauter GmbH & Co. KG**

D-7930 Bad Säckingen - West Germany
Fargeskalaer
Color Communication Form

Laboratory: __________________________ Dentist: __________________________

Patient: __________________________ age: ______ male [ ] female [ ]

Tooth: ______
Remarks: __________________________

Lightness Level (Value)

1 2 3 4 5
light dark

Color saturation (Chroma)

1 2 3 2.5 1
low high

ye low sh → Hue → roddish

L M R

Date: __________ Shade taken by: __________________________ Shade: ______

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