

Converting Colors

XYZ(20.8348, 25.4860, 20.4298)

Have a look what the booklet for
XYZ(20.8348, 25.4860, 20.4298)
contains.

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Color

**XYZ(20.7490, 25.3633,
20.3250)**

Conversions

Conversions Part 1

Format	Color
Hex	769174
RGB	118, 145, 116
RGB Percent	46%, 57%, 45%
CMY	0.5373, 0.4314, 0.5451
CMYK	0.19, 0.00, 0.20, 0.43
HSL	116°, 12%, 51%
HSV	116°, 20%, 57%
XYZ	20.7490, 25.3633, 20.3250
YIQ	133.6210, -6.7830, -14.7430

Conversions

Conversions Part 2

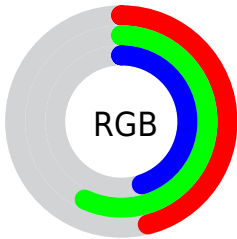
Format	Color
R_{YB}	116, 145, 143
Decimal	7770484
CIE _{Lab}	57.43, -15.44, 12.30
CIE _{LCh}	57, 19.736, 141.457
Yxy	25.3633, 0.3123, 0.3818
Android (android.graphics.Color)	4285960564 (0xFF769174)
YUV	133.6210, -8.6872, -13.6996
Hunter-Lab	50.3620, -14.5920, 11.3252

Details

The XYZ color **20.7490, 25.3633, 20.3250** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.6849, 20.3755, 29.5266**, and the grayscale version is **22.5541, 23.7287, 25.8406**.

A 20% lighter version of the original color is **44.0689, 52.2200, 44.8026**, and **7.5003, 9.6880, 6.9435** is the 20% darker color. If you saturate the color by 10%, you get **18.2667, 24.1743, 16.1443**, and if you desaturate by 10%, it is **23.6268, 26.7424, 25.2126**.

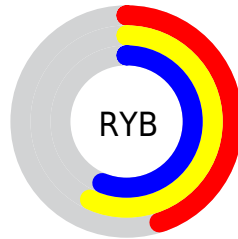
Distribution



Red (46%)

Green (57%)

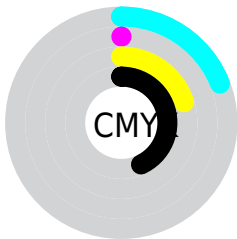
Blue (45%)



Red (45%)

Yellow (57%)

Blue (56%)

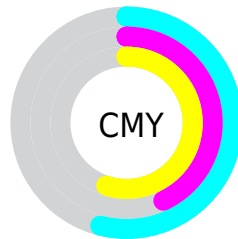


Cyan (19%)

Magenta (0%)

Yellow (20%)

Black (43%)



Cyan (54%)

Magenta (43%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7490, 25.3633, 20.3250 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.7490, 25.3633, 20.3250 by changing the saturation by 10% instead.

■ 20.7490, 25.3633,
20.3250

■ 20.7490, 25.3633,
20.3250

248.6986,
279.6424, 266.3313

■ 13.0521, 16.3479,
12.4451

■ 44.1639, 52.2460,
44.8275

■ 7.5417, 9.7707,
6.9214

■ 60.6125, 70.8821,
62.2872

■ 3.8524, 5.2472,
3.3353

■ 80.7091, 93.4939,
83.7772

■ 1.6190, 2.3930,
1.2683

104.8189,
120.4658, 109.7161

■ 0.4047, 0.8223,
0.0356

133.3075,
152.1823, 140.5224

■ 0.0000, 0.0000,
0.0000

166.5400,

189.0276, 176.6147

204.8819,
231.3861, 218.4115

■ 20.7490, 25.3633,
20.3250

■ 20.7490, 25.3633,
20.3250

■ 18.2667, 24.1743,
16.1443

■ 23.6268, 26.7424,
25.2126

■ 16.1606, 23.1640,
12.6363

■ 26.9143, 28.3161,
30.8358

■ 14.4130, 22.3249,
9.7663

■ 30.6272, 30.0926,
37.2241

■ 13.0039, 21.6472,
7.4959

■ 34.7801, 32.0789,
44.4044

■ 11.9112, 21.1207,
5.7828

■ 39.3866, 34.2814,
52.4027

■ 11.1105, 20.7338,
4.5788

■ 44.4601, 36.7064,
61.2436

■ 10.5734, 20.4729,
3.8278

■ 50.0130, 39.3600,
70.9508

■ 10.2510, 20.3163,
3.3812

■ 56.0576, 42.2478,
81.5468

■ 62.6056, 45.3755,
93.0537

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.4947, 25.3633, 17.2555



20.7490, 25.3633, 20.3250



19.9167, 25.3633, 25.7418

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.7490, 25.3633, 20.3250



23.4433, 25.3633, 42.4589



28.5526, 25.3633, 23.1560

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.7490, 25.3633, 20.3250



22.6849, 20.3755, 29.5266

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.8475, 25.3633, 29.5797



20.7490, 25.3633, 20.3250



25.7947, 25.3633, 41.4652

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.7490, 25.3633, 20.3250



21.4048, 25.3633, 39.0000



27.8092, 25.3633, 36.4711



27.0277, 25.3633, 18.6961

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.7490, 25.3633, 20.3250



19.9518, 25.3633, 30.2621



27.8092, 25.3633, 36.4711



28.8026, 25.3633, 25.1294

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.7497, 25.3644, 20.3256



44.5032, 48.9394, 48.8935



24.5906, 26.8020, 20.4006



9.8284, 10.8527, 10.7541



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7497, 25.3644, 20.3256



35.0716, 44.4220, 32.8764



21.2304, 25.5256, 24.2595



5.3752, 6.0460, 5.7731



8.8016, 17.4300, 2.9004



0.0896, 0.1695, 0.0280

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.6849, 20.3755, 29.5266



39.1844, 33.8162, 52.4355



22.1512, 20.2023, 24.8929



5.5901, 5.4924, 6.7943



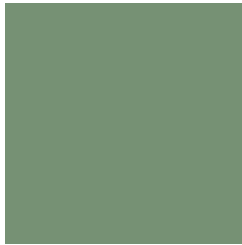
12.9631, 6.1763, 23.4860



0.1311, 0.0627, 0.2249

Previews

White Background



This preview shows how the XYZ color 20.7490, 25.3633, 20.3250 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7490, 25.3633, 20.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7490, 25.3633, 20.3250

Background



This preview shows how black text looks on a background with the XYZ color 20.7490, 25.3633, 20.3250.



This preview shows how white text looks on a background with the XYZ color 20.7490, 25.3633,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.7490, 25.3633, 20.3250

Protanopia

23.7244, 25.1722, 18.9375

Deuteranopia

25.6816, 25.1035, 20.9447



Tritanopia

23.2762, 25.2756, 32.9301

Trichromacy



Original Color

20.7490, 25.3633, 20.3250

Protanomaly

22.5121, 25.1827, 19.2970

Deuteranomaly

23.5434, 25.0390, 20.7317

Tritanomaly

22.2865, 25.3186, 27.7571

Monochromacy



Original Color

20.7490, 25.3633, 20.3250

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.8213, 24.2985, 23.6186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7490, 25.3633, 20.3250 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 145, 116)` looks like.

```
.text, #text, p{  
    color:rgb(118, 145, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 145, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 145, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.7490, 25.3633, 20.3250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

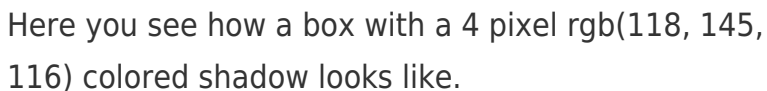
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 145, 116) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 145, 116) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(118, 145, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 145, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 145, 116); box-shadow:4px 4px 4px 4px rgb(118, 145, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7490, 25.3633, 20.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 145, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
145, 116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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