

Converting Colors

XYZ(20.4894, 25.8267, 21.2597)

Have a look what the booklet for
XYZ(20.4894, 25.8267, 21.2597)
contains.

XYZ(20.6018, 25.9565, 21.3770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6018, 25.9565,
21.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	709477
RGB	112, 148, 119
RGB Percent	44%, 58%, 47%
CMY	0.5608, 0.4196, 0.5333
CMYK	0.24, 0.00, 0.20, 0.42
HSL	132°, 14%, 51%
HSV	132°, 24%, 58%
XYZ	20.6018, 25.9565, 21.3770
YIQ	133.9300, -12.1470, -16.6510

Conversions

Conversions Part 2

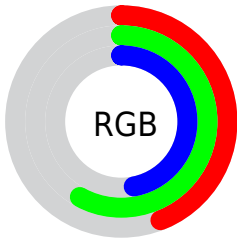
Format	Color
R_{YB}	112, 142, 148
Decimal	7378039
CIE _{Lab}	58.00, -18.60, 11.34
CIE _{LCh}	58, 21.782, 148.633
Yxy	25.9565, 0.3033, 0.3821
Android (android.graphics.Color)	4285568119 (0xFF709477)
YUV	133.9300, -7.3605, -19.2326
Hunter-Lab	50.9475, -16.9776, 10.7859

Details

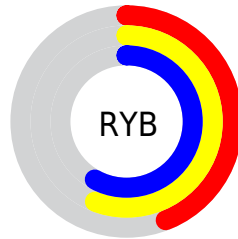
The XYZ color **20.6018, 25.9565, 21.3770** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8156, 19.8080, 27.8214**, and the grayscale version is **22.6642, 23.8446, 25.9667**.

A 20% lighter version of the original color is **43.7811, 53.0738, 46.4648**, and **7.4619, 10.0611, 7.5099** is the 20% darker color. If you saturate the color by 10%, you get **18.1996, 24.7965, 17.7586**, and if you desaturate by 10%, it is **23.4048, 27.3143, 25.4843**.

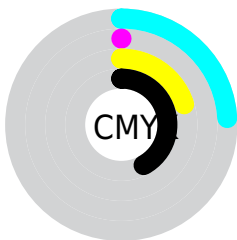
Distribution



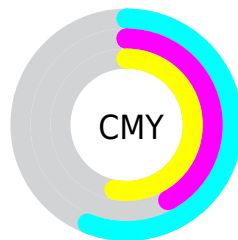
- Red (44%)
- Green (58%)
- Blue (47%)



- Red (44%)
- Yellow (56%)
- Blue (58%)



- Cyan (24%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)



- Cyan (56%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6018, 25.9565, 21.3770 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 20.6018, 25.9565, 21.3770 by changing the saturation by 10% instead.

■ 20.6018, 25.9565,
21.3770

■ 20.6018, 25.9565,
21.3770

247.9266,
282.5685, 272.1219

■ 12.9440, 16.7911,
13.2059

■ 43.9202, 53.2048,
46.6030

■ 7.4668, 10.0857,
7.4381

■ 60.3115, 72.0564,
64.4951

■ 3.8046, 5.4558,
3.6550

■ 80.3447, 94.9056,
86.4645

■ 1.5922, 2.5171,
1.4381

■ 104.3851,
122.1367, 112.9299

■ 0.3873, 0.8852,
0.1711

132.7982,
154.1342, 144.3098

■ 0.0000, 0.0000,
0.0000

165.9492,

191.2824, 181.0228

204.2036,
233.9657, 223.4873

■ 20.6018, 25.9565,
21.3770

■ 20.6018, 25.9565,
21.3770

■ 18.1996, 24.7965,
17.7586

■ 23.4048, 27.3143,
25.4843

■ 16.1777, 23.8217,
14.6091

■ 26.6238, 28.8750,
30.0959

■ 14.5169, 23.0236,
11.9098

■ 30.2757, 30.6477,
35.2287

■ 13.1954, 22.3912,
9.6401

■ 34.3757, 32.6401,
40.8984

■ 12.1892, 21.9127,
7.7778

■ 38.9385, 34.8594,
47.1199

■ 11.4709, 21.5744,
6.2985

■ 43.9780, 37.3123,
53.9076

■ 11.0070, 21.3596,
5.1754

■ 49.5075, 40.0055,
61.2754

■ 10.8094, 21.2684,
4.6835

■ 55.5398, 42.9453,
69.2367

■ 62.0872, 46.1378,
77.8043

Harmonies

Analogous

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



22.3271, 25.9565, 17.3655



20.6018, 25.9565, 21.3770



19.9549, 25.9565, 27.9182

Triad

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



20.6018, 25.9565, 21.3770



24.5505, 25.9565, 45.3447



29.3786, 25.9565, 21.8775

Complementary

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



20.6018, 25.9565, 21.3770



22.8156, 19.8080, 27.8214

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.



30.0769, 25.9565, 28.6090



20.6018, 25.9565, 21.3770



27.1731, 25.9565, 42.9670

Square

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



20.6018, 25.9565, 21.3770



22.1323, 25.9565, 42.5119



29.2433, 25.9565, 36.4867



27.3965, 25.9565, 17.6163

Rectangle

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



20.6018, 25.9565, 21.3770



20.1845, 25.9565, 33.1442



29.2433, 25.9565, 36.4867



29.7772, 25.9565, 23.8848

Sweetspot

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



20.6025, 25.9576, 21.3776



45.2997, 50.1338, 50.7183



24.5683, 28.0488, 19.4486



10.2730, 11.4115, 11.4809



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.6025, 25.9576, 21.3776



34.0371, 44.6804, 34.2579



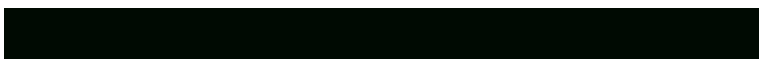
21.7595, 26.4204, 27.4705



5.7730, 6.4858, 6.4153



9.2407, 18.1691, 4.0432



0.1216, 0.2258, 0.0941

Inverse Universe

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



22.8156, 19.8080, 27.8214



38.6089, 31.9717, 47.5657



21.6080, 19.3249, 21.4623



5.9875, 5.8901, 7.0402



13.2969, 6.5238, 15.5761



0.1727, 0.0838, 0.2430

Previews

White Background



This preview shows how the XYZ color 20.6018, 25.9565, 21.3770 looks on a white background.

Color Contrast Check

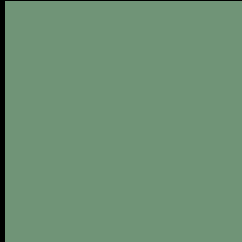
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6018, 25.9565, 21.3770 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 20.6018, 25.9565, 21.3770

Background



This preview shows how black text looks on a background with the XYZ color 20.6018, 25.9565, 21.3770.



This preview shows how white text looks on a background with the XYZ color 20.6018, 25.9565,

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

20.6018, 25.9565, 21.3770

Protanopia

24.3025, 25.8832, 19.6347

Deuteranopia

26.1385, 25.7244, 22.0000



Tritanopia

23.2101, 25.8630, 34.7791

Trichromacy



Original Color

20.6018, 25.9565, 21.3770

Protanomaly

22.6569, 25.6753, 20.2847

Deuteranomaly

23.6683, 25.5084, 21.7653

Tritanomaly

22.2103, 25.9168, 29.4230

Monochromacy



Original Color

20.6018, 25.9565, 21.3770

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.7993, 24.4858, 24.3462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6018, 25.9565, 21.3770 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(112, 148, 119)` looks like.

```
.text, #text, p{  
    color:rgb(112, 148, 119)  
}
```

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(112, 148, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 148, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.6018, 25.9565, 21.3770 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(112, 148, 119) }
```


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

```
.border{ border-color:rgb(112, 148, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 148, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 148, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 148, 119);  
box-shadow:4px 4px 4px 4px rgb(112, 148,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6018, 25.9565, 21.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 148, 119) }
```

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

```
.background{ background-color: rgb(112,  
148, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor