

Converting Colors

XYZ(16.9427, 20.0434, 5.4206)

Have a look what the booklet for
XYZ(16.9427, 20.0434, 5.4206)
contains.

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Color

**XYZ(16.9452, 20.1398,
5.4769)**

Conversions

Conversions Part 1

Format	Color
Hex	7F802D
RGB	127, 128, 45
RGB Percent	50%, 50%, 18%
CMY	0.5020, 0.4980, 0.8235
CMYK	0.01, 0.00, 0.65, 0.50
HSL	61°, 48%, 34%
HSV	61°, 65%, 50%
XYZ	16.9452, 20.1398, 5.4769
YIQ	118.2390, 26.0470, -26.0250

Conversions

Conversions Part 2

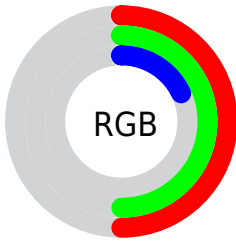
Format	Color
RYB	45, 128, 46
Decimal	8355885
CIELab	51.99, -11.67, 43.40
CIElCh	52, 44.946, 105.051
Yxy	20.1398, 0.3981, 0.4732
Android (android.graphics.Color)	4286545965 (0xFF7F802D)
YUV	118.2390, -36.1068, 7.6834
Hunter-Lab	44.8774, -11.1358, 24.1783

Details

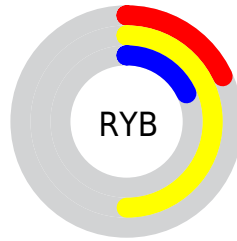
The XYZ color **16.9452, 20.1398, 5.4769** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.9620, 4.0166, 20.8843**, and the grayscale version is **17.3993, 18.3055, 19.9346**.

A 20% lighter version of the original color is **37.8808, 43.8191, 17.2879**, and **5.6976, 7.0878, 1.0678** is the 20% darker color. If you saturate the color by 10%, you get **16.7124, 20.0448, 4.3692**, and if you desaturate by 10%, it is **17.2538, 20.2666, 6.9793**.

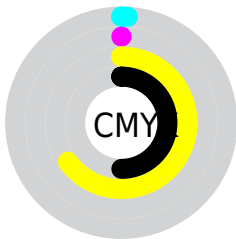
Distribution



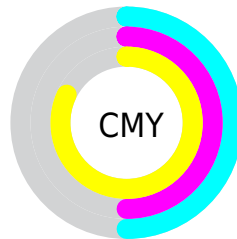
- Red (50%)
- Green (50%)
- Blue (18%)



- Red (18%)
- Yellow (50%)
- Blue (18%)



- Cyan (1%)
- Magenta (0%)
- Yellow (65%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9452, 20.1398, 5.4769 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 16.9452, 20.1398, 5.4769 by changing the saturation by 10% instead.

■ 16.9452, 20.1398,
5.4769

■ 16.9452, 20.1398,
5.4769

228.0188,
252.6709, 163.4479

■ 10.2905, 12.4967,
2.4661

■ 37.7759, 43.6514,
17.2936

■ 5.6557, 7.0829,
0.8221

■ 52.6826, 60.2888,
26.9366

■ 2.6755, 3.5140,
0.0000

■ 71.0706, 80.6930,
39.6275

■ 0.9846, 1.4056,
0.0000

■ 93.3054, 105.2485,
55.7847

■ 0.0000, 0.2208,
0.0000

■ 119.7522,
134.3396, 75.8268

■ 0.0000, 0.0000,
0.0000

■ 150.7765,

168.3508, 100.1723

186.7436,
207.6664, 129.2398

■ 16.9452, 20.1398,
5.4769

■ 16.9452, 20.1398,
5.4769

■ 16.7124, 20.0448,
4.3692

■ 17.2538, 20.2666,
6.9793

■ 16.5469, 19.9759,
3.6179

■ 17.6428, 20.4249,
8.9072

■ 16.4391, 19.9301,
3.1700

■ 18.1183, 20.6178,
11.2903

■ 16.3911, 19.9096,
2.9790

■ 18.6852, 20.8472,
14.1548

■ 19.3483, 21.1151,
17.5251

■ 20.1117, 21.4232,
21.4241

■ 20.9797, 21.7731,
25.8731

■ 21.9559, 22.1663,
30.8922

■ 23.0441, 22.6043,
36.5007

Harmonies

Analogous

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



21.5052, 20.1398, 5.4723



16.9452, 20.1398, 5.4769



13.5614, 20.1398, 8.5006

Triad

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



16.9452, 20.1398, 5.4769



13.5702, 20.1398, 45.0612



28.9741, 20.1398, 29.0998

Complementary

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



16.9452, 20.1398, 5.4769



5.9620, 4.0166, 20.8843

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.



26.0762, 20.1398, 45.0099



16.9452, 20.1398, 5.4769



16.9591, 20.1398, 56.4385

Square

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



16.9452, 20.1398, 5.4769



11.8349, 20.1398, 29.1522



21.5215, 20.1398, 56.4167



28.9687, 20.1398, 16.0096

Rectangle

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



16.9452, 20.1398, 5.4769



12.2161, 20.1398, 12.9176



21.5215, 20.1398, 56.4167



28.2891, 20.1398, 34.3812

Sweetspot

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



16.9457, 20.1407, 5.4773



33.5058, 36.9490, 28.0145



10.3148, 6.6559, 3.2240



7.7788, 8.6242, 6.2247



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.9457, 20.1407, 5.4773



29.2647, 35.2242, 6.9631



12.0776, 17.6311, 5.2495



4.6604, 5.0169, 4.6429



16.2521, 19.7406, 2.9537



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.9620, 4.0166, 20.8843



8.3054, 4.4467, 36.3768



8.7192, 5.4380, 21.0134



4.1133, 4.2140, 5.4099



3.8827, 1.5553, 20.3455



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9452, 20.1398, 5.4769 looks on a white background.

Color Contrast Check

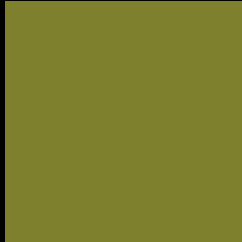
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9452, 20.1398, 5.4769 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 16.9452, 20.1398, 5.4769

Background



This preview shows how black text looks on a background with the XYZ color 16.9452, 20.1398, 5.4769.



This preview shows how white text looks on a background with the XYZ color 16.9452, 20.1398,

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

16.9452, 20.1398, 5.4769

Protanopia

18.3097, 20.0861, 5.2949

Deuteranopia

20.3384, 20.0403, 5.5925



Tritanopia

20.6706, 20.1688, 23.5724

Trichromacy



Original Color

16.9452, 20.1398, 5.4769

Protanomaly

17.7799, 20.0000, 5.3062

Deuteranomaly

18.9742, 20.0536, 5.5600

Tritanomaly

18.8033, 19.9533, 14.4156

Monochromacy



Original Color

16.9452, 20.1398, 5.4769

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7330, 18.7393, 12.6327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9452, 20.1398, 5.4769 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(127, 128, 45)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 45)  
}
```

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(127, 128, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 45) }
```

Border

The CSS property to change the border of an element to XYZ 16.9452, 20.1398, 5.4769 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(127, 128, 45) }
```


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

```
.border{ border-color:rgb(127, 128, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 45);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9452, 20.1398, 5.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 45) }
```

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

```
.background{ background-color: rgb(127,  
128, 45) }
```

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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