

Converting Colors

XYZ(16.7864, 18.8279, 7.4253)

Have a look what the booklet for
XYZ(16.7864, 18.8279, 7.4253)
contains.

XYZ(16.7588, 18.8671, 7.4611)	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(16.7588, 18.8671,
7.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	807A3F
RGB	128, 122, 63
RGB Percent	50%, 48%, 25%
CMY	0.4980, 0.5216, 0.7529
CMYK	0.00, 0.05, 0.51, 0.50
HSL	54°, 34%, 37%
HSV	54°, 51%, 50%
XYZ	16.7588, 18.8671, 7.4611
YIQ	117.0680, 22.5150, -17.0770

Conversions

Conversions Part 2

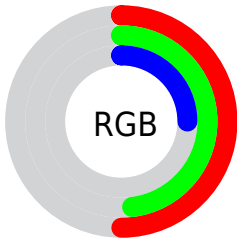
Format	Color
R_{YB}	70, 128, 63
Decimal	8419903
CIE _{Lab}	50.53, -6.40, 32.87
CIE _{LCh}	51, 33.484, 101.017
Yxy	18.8671, 0.3890, 0.4379
Android (android.graphics.Color)	4286609983 (0xFF807A3F)
YUV	117.0680, -26.6555, 9.5874
Hunter-Lab	43.4363, -7.1437, 20.2211

Details

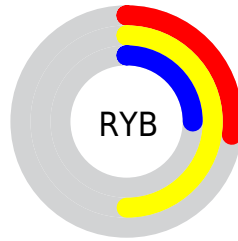
The XYZ color **16.7588, 18.8671, 7.4611** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0743, 6.8714, 21.3227**, and the grayscale version is **17.0051, 17.8907, 19.4830**.

A 20% lighter version of the original color is **37.3521, 41.3870, 21.3491**, and **5.6029, 6.5127, 1.4520** is the 20% darker color. If you saturate the color by 10%, you get **16.2980, 18.4529, 5.7433**, and if you desaturate by 10%, it is **17.3055, 19.3199, 9.6184**.

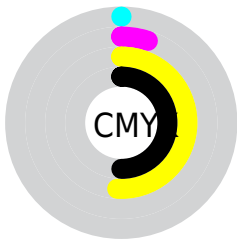
Distribution



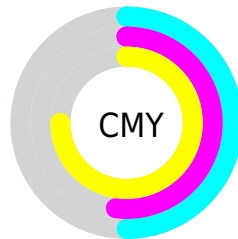
- Red (50%)
- Green (48%)
- Blue (25%)



- Red (27%)
- Yellow (50%)
- Blue (25%)



- Cyan (0%)
- Magenta (5%)
- Yellow (51%)
- Black (50%)



- Cyan (50%)
- Magenta (52%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7588, 18.8671, 7.4611 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 16.7588, 18.8671, 7.4611 by changing the saturation by 10% instead.

■ 16.7588, 18.8671,
7.4611

■ 16.7588, 18.8671,
7.4611

■ 226.9620,
245.7141, 181.2157

■ 10.1569, 11.5743,
3.6693

■ 37.4575, 41.5094,
21.4235

■ 5.5662, 6.4545,
1.4457

■ 52.2850, 57.6277,
32.4311

■ 2.6213, 3.1234,
0.1770

■ 70.5851, 77.4566,
46.6811

■ 0.9568, 1.1965,
0.0000

■ 92.7232, 101.3805,
64.5920

■ 0.0000, 0.0588,
0.0000

■ 119.0646,
129.7838, 86.5824

■ 0.0000, 0.0000,
0.0000

■ 149.9746,

163.0509, 113.0708

185.8186,
201.5662, 144.4757

■ 16.7588, 18.8671,
7.4611

■ 16.7588, 18.8671,
7.4611

■ 16.2980, 18.4529,
5.7433

■ 17.3055, 19.3199,
9.6184

■ 15.9158, 18.0722,
4.4330

■ 17.9420, 19.8108,
12.2420

■ 15.6061, 17.7233,
3.4958

■ 18.6737, 20.3425,
15.3577

■ 15.3612, 17.4031,
2.8910

■ 19.5050, 20.9170,
18.9892

■ 15.1695, 17.1241,
2.5058

■ 20.4401, 21.5358,
23.1588

■ 21.4830, 22.2006,
27.8873

■ 22.6375, 22.9130,
33.1944

■ 23.9071, 23.6743,
39.0989

■ 25.2953, 24.4859,
45.6188

Harmonies

Analogous

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



20.0545, 18.8671, 7.7952



16.7588, 18.8671, 7.4611



14.1180, 18.8671, 9.7395

Triad

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



16.7588, 18.8671, 7.4611



13.5984, 18.8671, 34.7557



24.5525, 18.8671, 26.9682

Complementary

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



16.7588, 18.8671, 7.4611



8.0743, 6.8714, 21.3227

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.



22.3790, 18.8671, 37.3256



16.7588, 18.8671, 7.4611



15.9659, 18.8671, 42.6822

Square

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



16.7588, 18.8671, 7.4611



12.4465, 18.8671, 24.1763



19.1600, 18.8671, 43.7441



24.8320, 18.8671, 17.2934

Rectangle

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



16.7588, 18.8671, 7.4611



12.9799, 18.8671, 13.0009



19.1600, 18.8671, 43.7441



24.0078, 18.8671, 30.5511

Sweetspot

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



16.7593, 18.8680, 7.4615



33.6512, 36.3565, 30.3993



11.7695, 8.5803, 6.7481



7.8182, 8.4702, 6.8536



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.



16.7593, 18.8680, 7.4615



28.5768, 32.3764, 9.6900



14.0960, 18.6220, 7.5544



4.6325, 4.9538, 4.6321



15.0422, 16.9809, 2.4848



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.0743, 6.8714, 21.3227



11.4632, 8.7492, 37.0409



9.7938, 7.2376, 21.3028



4.1383, 4.2706, 5.4195



3.9921, 1.8026, 20.3875



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7588, 18.8671, 7.4611 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 16.7588, 18.8671, 7.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

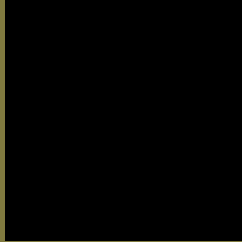
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7588, 18.8671, 7.4611

Background



This preview shows how black text looks on a background with the XYZ color 16.7588, 18.8671, 7.4611.



This preview shows how white text looks on a background with the XYZ color 16.7588, 18.8671,

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

16.7588, 18.8671, 7.4611

Protanopia

17.2588, 18.7673, 7.2702

Deuteranopia

19.1175, 18.8462, 7.6311



Tritanopia

19.6003, 18.7850, 21.6616

Trichromacy



Original Color

16.7588, 18.8671, 7.4611

Protanomaly

17.0669, 18.8478, 7.2959

Deuteranomaly

18.2191, 18.9025, 7.5388

Tritanomaly

18.3924, 18.8217, 15.2339

Monochromacy



Original Color

16.7588, 18.8671, 7.4611

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6397, 18.1217, 13.9301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7588, 18.8671, 7.4611 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(128, 122, 63)` looks like.

```
.text, #text, p{  
    color:rgb(128, 122, 63)  
}
```

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(128, 122, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 122, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.7588, 18.8671, 7.4611 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(128, 122, 63) }
```


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

```
.border{ border-color:rgb(128, 122, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 122, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 122, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 122, 63);  
box-shadow:4px 4px 4px 4px rgb(128, 122,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7588, 18.8671, 7.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 122, 63) }
```

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

```
.background{ background-color: rgb(128,  
122, 63) }
```

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