

Converting Colors

XYZ(18.8123, 18.5672, 16.7142)

Have a look what the booklet for
XYZ(18.8123, 18.5672, 16.7142)
contains.

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Color

**XYZ(18.8292, 18.4951,
16.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	87736C
RGB	135, 115, 108
RGB Percent	53%, 45%, 42%
CMY	0.4706, 0.5490, 0.5765
CMYK	0.00, 0.15, 0.20, 0.47
HSL	16°, 11%, 48%
HSV	16°, 20%, 53%
XYZ	18.8292, 18.4951, 16.7649
YIQ	120.1820, 14.1670, 2.0630

Conversions

Conversions Part 2

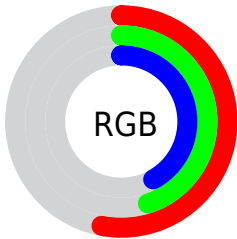
Format	Color
RYB	135, 117, 108
Decimal	8876908
CIELab	50.09, 6.60, 6.75
CIELCh	50, 9.443, 45.668
Yxy	18.4951, 0.3481, 0.3419
Android (android.graphics.Color)	4287066988 (0xFF87736C)
YUV	120.1820, -6.0057, 12.9954
Hunter-Lab	43.0059, 2.8919, 6.9913

Details

The XYZ color **18.8292, 18.4951, 16.7649** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2766, 20.3753, 25.8914**, and the grayscale version is **17.9267, 18.8603, 20.5389**.

A 20% lighter version of the original color is **41.0630, 40.9595, 38.5426**, and **6.5958, 6.2825, 5.2799** is the 20% darker color. If you saturate the color by 10%, you get **17.0867, 16.0722, 12.9096**, and if you desaturate by 10%, it is **20.8076, 21.2115, 21.2482**.

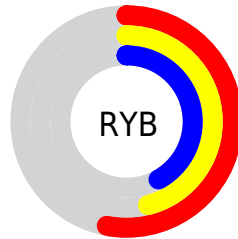
Distribution



Red (53%)

Green (45%)

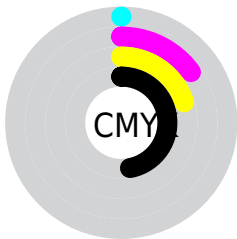
Blue (42%)



Red (53%)

Yellow (46%)

Blue (42%)

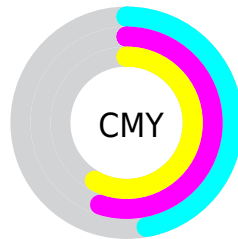


Cyan (0%)

Magenta (15%)

Yellow (20%)

Black (47%)



Cyan (47%)

Magenta (55%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8292, 18.4951, 16.7649 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 18.8292, 18.4951, 16.7649 by changing the saturation by 10% instead.

■ 18.8292, 18.4951,
16.7649

■ 18.8292, 18.4951,
16.7649

238.4605,
243.6471, 245.8118

■ 11.6502, 11.3060,
9.9068

■ 40.9644, 40.8792,
38.7062

■ 6.5765, 6.2731,
5.2324

■ 56.6513, 56.8430,
54.6265

■ 3.2426, 3.0118,
2.3232

■ 75.9049, 76.5004,
74.4047

■ 1.2833, 1.1379,
0.7441

■ 99.0905, 100.2360,
98.4592

■ 0.1707, 0.0101,
0.0000

126.5735,
128.4341, 127.2086

■ 0.0000, 0.0000,
0.0000

158.7193,

161.4790, 161.0715

195.8932,
199.7552, 200.4664

■ 18.8292, 18.4951,
16.7649

■ 18.8292, 18.4951,
16.7649

■ 17.0867, 16.0722,
12.9096

■ 20.8076, 21.2115,
21.2482

■ 15.5697, 13.9306,
9.6530

■ 23.0291, 24.2284,
26.3849

■ 14.2690, 12.0604,
6.9651

■ 25.5021, 27.5556,
32.2001

■ 13.1743, 10.4506,
4.8129

■ 28.2345, 31.2017,
38.7174

■ 12.2742, 9.0893,
3.1599

■ 31.2335, 35.1750,
45.9593

■ 11.5563, 7.9635,
1.9650

■ 34.5063, 39.4834,
53.9472

■ 11.0065, 7.0590,
1.1803

■ 38.0597, 44.1346,
62.7017

■ 10.5932, 6.3538,
0.6681

■ 41.9001, 49.1360,
72.2425

■ 10.5932, 6.3538,
0.6681

■ 46.0341, 54.4948,
82.5886

Harmonies

Analogous

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



19.3165, 18.4951, 18.8160



18.8292, 18.4951, 16.7649



18.0153, 18.4951, 15.6663

Triad

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



18.8292, 18.4951, 16.7649



15.9391, 18.4951, 18.9239



18.0554, 18.4951, 25.3535

Complementary

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



18.8292, 18.4951, 16.7649



18.2766, 20.3753, 25.8914

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.



17.1498, 18.4951, 25.3887



18.8292, 18.4951, 16.7649



15.9490, 18.4951, 21.5206

Square

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



18.8292, 18.4951, 16.7649



16.3580, 18.4951, 16.8380



16.3855, 18.4951, 23.9357



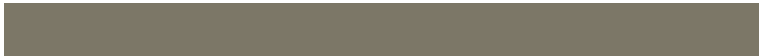
18.8594, 18.4951, 23.8432

Rectangle

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



18.8292, 18.4951, 16.7649



17.4070, 18.4951, 15.5555



16.3855, 18.4951, 23.9357



17.7523, 18.4951, 25.5423

Sweetspot

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



18.8297, 18.4959, 16.7653



38.7474, 40.0089, 41.4654



19.2672, 17.4414, 22.8597



8.9242, 9.1986, 9.4893



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.8297, 18.4959, 16.7653



32.2526, 31.0891, 26.7536



20.4505, 21.7374, 17.3055



4.7636, 4.8707, 4.9184



9.7779, 5.8784, 0.6193



0.0391, 0.0308, 0.0039

Inverse Universe

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



18.2766, 20.3753, 25.8914



31.0735, 35.0876, 46.1832



16.6600, 17.1422, 25.3525



4.7021, 5.0799, 5.9334



8.2448, 10.0374, 22.6396



0.0345, 0.0466, 0.0804

Previews

White Background



This preview shows how the XYZ color 18.8292, 18.4951, 16.7649 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 18.8292, 18.4951, 16.7649 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 18.8292, 18.4951, 16.7649

Background



This preview shows how black text looks on a background with the XYZ color 18.8292, 18.4951, 16.7649.

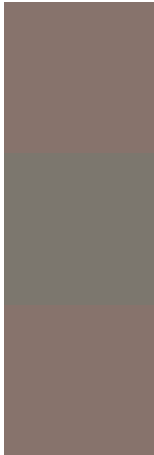


This preview shows how white text looks on a background with the XYZ color 18.8292, 18.4951,

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

18.8292, 18.4951, 16.7649

Protanopia

17.7235, 18.6045, 17.4088

Deuteranopia

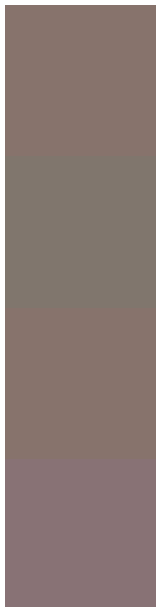
18.8292, 18.4951, 16.7649



Tritanopia

19.7345, 18.5338, 20.9496

Trichromacy



Original Color

18.8292, 18.4951, 16.7649

Protanomaly

18.1408, 18.6502, 17.1117

Deuteranomaly

18.8292, 18.4951, 16.7649

Tritanomaly

19.3815, 18.5532, 19.3892

Monochromacy



Original Color

18.8292, 18.4951, 16.7649

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0883, 18.5778, 19.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8292, 18.4951, 16.7649 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(135, 115, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 115, 108)  
}
```

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(135, 115, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 115, 108) }
```

Border

The CSS property to change the border of an element to XYZ 18.8292, 18.4951, 16.7649 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(135, 115, 108) }
```


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

```
.border{ border-color:rgb(135, 115, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 115, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 115, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 115, 108);  
box-shadow:4px 4px 4px 4px rgb(135, 115,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8292, 18.4951, 16.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 115, 108) }
```

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

```
.background{ background-color: rgb(135,  
115, 108) }
```

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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