

Converting Colors

XYZ(16.8423, 17.4001, 18.0949)

Have a look what the booklet for
XYZ(16.8423, 17.4001, 18.0949)
contains.

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Color

**XYZ(16.8571, 17.4468,
18.1019)**

Conversions

Conversions Part 1

Format	Color
Hex	787371
RGB	120, 115, 113
RGB Percent	47%, 45%, 44%
CMY	0.5294, 0.5490, 0.5569
CMYK	0.00, 0.04, 0.06, 0.53
HSL	17°, 3%, 46%
HSV	17°, 6%, 47%
XYZ	16.8571, 17.4468, 18.1019
YIQ	116.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

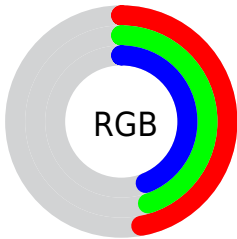
Format	Color
R_{YB}	120, 116, 113
Decimal	7893873
CIE _{Lab}	48.82, 1.53, 1.78
CIE _{LCh}	49, 2.351, 49.311
Yxy	17.4468, 0.3217, 0.3329
Android (android.graphics.Color)	4286083953 (0xFF787371)
YUV	116.2670, -1.6106, 3.2738
Hunter-Lab	41.7694, -1.0581, 3.5436

Details

The XYZ color **16.8571, 17.4468, 18.1019** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6786, 17.8234, 20.3307**, and the grayscale version is **16.6868, 17.5558, 19.1183**.

A 20% lighter version of the original color is **37.6235, 39.1247, 41.1662**, and **5.6338, 5.7737, 5.8185** is the 20% darker color. If you saturate the color by 10%, you get **15.2938, 15.3308, 14.4652**, and if you desaturate by 10%, it is **18.6015, 19.7817, 22.2402**.

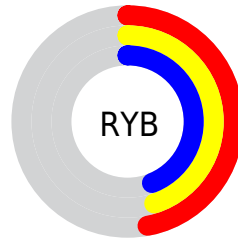
Distribution



Red (47%)

Green (45%)

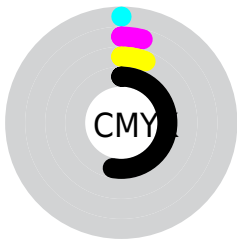
Blue (44%)



Red (47%)

Yellow (45%)

Blue (44%)

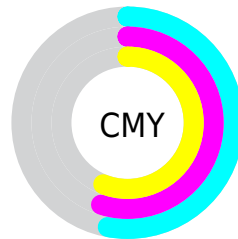


Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (53%)



Cyan (53%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8571, 17.4468, 18.1019 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 16.8571, 17.4468, 18.1019 by changing the saturation by 10% instead.

■ 16.8571, 17.4468,
18.1019

■ 16.8571, 17.4468,
18.1019

227.5199,
237.7342, 253.7002

■ 10.2273, 10.5536,
10.8530

■ 37.6255, 39.0924,
41.0272

■ 5.6134, 5.7675,
5.8551

■ 52.4948, 54.6135,
57.5406

■ 2.6498, 2.7042,
2.6898

■ 70.8413, 73.7795,
77.9792

■ 0.9714, 0.9793,
0.9383

■ 93.0305, 96.9745,
102.7617

■ 0.0000, 0.0000,
0.0000

119.4275,
124.5831, 132.3065

150.3979,

156.9897, 167.0321

186.3069,
194.5785, 207.3572

■ 16.8571, 17.4468,
18.1019

■ 16.8571, 17.4468,
18.1019

■ 15.2938, 15.3308,
14.4652

■ 18.6015, 19.7817,
22.2402

■ 13.9043, 13.4251,
11.3098

■ 20.5313, 22.3394,
26.8971

■ 12.6828, 11.7238,
8.6158

■ 22.6523, 25.1262,
32.0902

■ 11.6226, 10.2200,
6.3612

■ 24.9697, 28.1479,
37.8358

■ 10.7165, 8.9063,
4.5225

■ 27.4885, 31.4098,
44.1497

■ 9.9568, 7.7748,
3.0738

■ 30.2136, 34.9172,
51.0469

■ 9.3352, 6.8170,
1.9862

■ 33.1494, 38.6751,
58.5420

■ 8.8421, 6.0239,
1.2270

■ 36.3005, 42.6885,
66.6490

■ 8.4630, 5.3836,
0.7367

■ 39.6713, 46.9619,
75.3813

Harmonies

Analogous

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



16.9809, 17.4468, 18.6029



16.8571, 17.4468, 18.1019



16.6604, 17.4468, 17.8426

Triad

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



16.8571, 17.4468, 18.1019



16.1747, 17.4468, 18.7751



16.7215, 17.4468, 20.1507

Complementary

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



16.8571, 17.4468, 18.1019



16.6786, 17.8234, 20.3307

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.



16.5051, 17.4468, 20.1993



16.8571, 17.4468, 18.1019



16.1907, 17.4468, 19.3958

Square

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



16.8571, 17.4468, 18.1019



16.2672, 17.4468, 18.2256



16.3112, 17.4468, 19.9203



16.9021, 17.4468, 19.7890

Rectangle

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



16.8571, 17.4468, 18.1019



16.5150, 17.4468, 17.8378



16.3112, 17.4468, 19.9203



16.6505, 17.4468, 20.2045

Sweetspot

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



16.8576, 17.4476, 18.1023



30.7720, 32.1948, 34.4870



16.9221, 17.1120, 19.5560



7.3036, 7.6445, 8.1989



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.8576, 17.4476, 18.1023



29.2629, 30.1666, 30.9318



17.2621, 18.2566, 18.2371



4.1563, 4.2834, 4.3882



9.0732, 5.6023, 0.6031



42.6390, 25.4415, 2.6634

Inverse Universe

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



16.6786, 17.8234, 20.3307



28.8792, 30.9722, 35.7092



16.2762, 17.0186, 20.1966



4.1010, 4.3994, 5.0762



7.2883, 8.6591, 20.6725



34.0119, 39.7964, 98.3587

Previews

White Background



This preview shows how the XYZ color 16.8571, 17.4468, 18.1019 looks on a white background.

Color Contrast Check

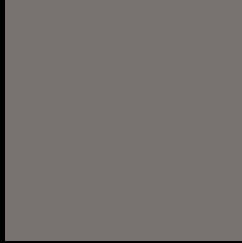
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.8571, 17.4468, 18.1019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

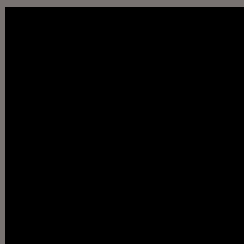
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

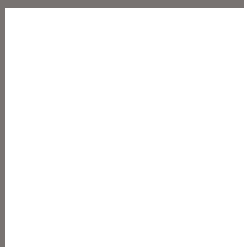
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8571, 17.4468, 18.1019

Background



This preview shows how black text looks on a background with the XYZ color 16.8571, 17.4468, 18.1019.



This preview shows how white text looks on a background with the XYZ color 16.8571, 17.4468,

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

16.8571, 17.4468, 18.1019

Protanopia

16.7191, 17.3757, 18.0954

Deuteranopia

17.7335, 17.3924, 18.3420



Tritanopia

17.4153, 17.5047, 20.8732

Trichromacy



Original Color

16.8571, 17.4468, 18.1019

Protanomaly

16.7191, 17.3757, 18.0954

Deuteranomaly

17.3998, 17.3851, 18.3582

Tritanomaly

17.2322, 17.4315, 19.9091

Monochromacy



Original Color

16.8571, 17.4468, 18.1019

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6760, 17.5105, 18.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8571, 17.4468, 18.1019 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(120, 115, 113)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 113)  
}
```

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(120, 115, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.8571, 17.4468, 18.1019 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(120, 115, 113) }
```


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

```
.border{ border-color:rgb(120, 115, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 115, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 115, 113); box-shadow:4px 4px 4px 4px rgb(120, 115, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8571, 17.4468, 18.1019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 113) }
```

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

```
.background{ background-color: rgb(120,  
115, 113) }
```

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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