

Converting Colors

XYZ(16.1845, 16.8750, 19.9903)

Have a look what the booklet for
XYZ(16.1845, 16.8750, 19.9903)
contains.

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Color

**XYZ(16.1571, 16.8772,
19.8588)**

Conversions

Conversions Part 1

Format	Color
Hex	717277
RGB	113, 114, 119
RGB Percent	44%, 45%, 47%
CMY	0.5569, 0.5529, 0.5333
CMYK	0.05, 0.04, 0.00, 0.53
HSL	230°, 3%, 45%
HSV	230°, 5%, 47%
XYZ	16.1571, 16.8772, 19.8588
YIQ	114.2710, -2.2010, 1.3430

Conversions

Conversions Part 2

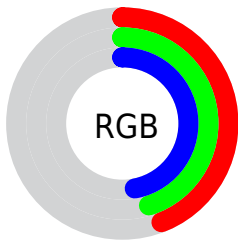
Format	Color
R_YB	113, 114, 119
Decimal	7434871
CIE Lab	48.10, 0.66, -2.90
CIE LCh	48, 2.971, 282.906
Yxy	16.8772, 0.3055, 0.3191
Android (android.graphics.Color)	4285624951 (0xFF717277)
YUV	114.2710, 2.3314, -1.1147
Hunter-Lab	41.0819, -1.6910, 0.0968

Details

The XYZ color **16.1571, 16.8772, 19.8588** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0668, 18.0709, 18.2115**, and the grayscale version is **16.0696, 16.9065, 18.4112**.

A 20% lighter version of the original color is **36.5040, 38.2120, 43.9798**, and **5.2655, 5.4752, 6.7405** is the 20% darker color. If you saturate the color by 10%, you get **13.6673, 14.0231, 19.4394**, and if you desaturate by 10%, it is **18.9699, 20.0786, 20.3287**.

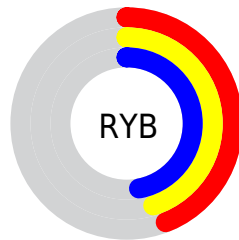
Distribution



Red (44%)

Green (45%)

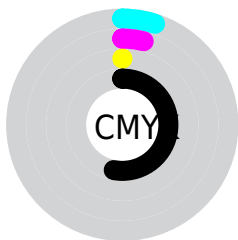
Blue (47%)



Red (44%)

Yellow (45%)

Blue (47%)

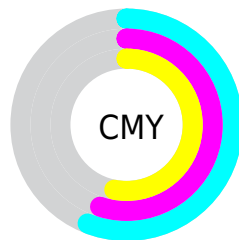


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (53%)



Cyan (56%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1571, 16.8772, 19.8588 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 16.1571, 16.8772, 19.8588 by changing the saturation by 10% instead.

■ 16.1571, 16.8772,
19.8588

■ 16.1571, 16.8772,
19.8588

223.5192,
234.4637, 263.7286

■ 9.7269, 10.1470,
12.1094

■ 36.4260, 38.1145,
44.0362

■ 5.2792, 5.4965,
6.6948

■ 50.9954, 53.3904,
61.3012

■ 2.4484, 2.5414,
3.1964

■ 69.0086, 72.2836,
82.5752

■ 0.8693, 0.8973,
1.1958

■ 90.8310, 95.1786,
108.2767

■ 0.0000, 0.0000,
0.0000

116.8279,
122.4597, 138.8243

147.3646,

154.5113, 174.6364

182.8066,
191.7179, 216.1317

■ 16.1571, 16.8772,
19.8588

■ 16.1571, 16.8772,
19.8588

■ 13.6673, 14.0231,
19.4394

■ 18.9699, 20.0786,
20.3287

■ 11.4874, 11.5026,
19.0678

■ 22.1152, 23.6364,
20.8497

■ 9.6055, 9.3039,
18.7426

■ 25.6040, 27.5618,
21.4235

■ 8.0086, 7.4140,
18.4619

■ 29.4462, 31.8650,
22.0516

■ 6.6826, 5.8188,
18.2239

■ 33.6515, 36.5559,
22.7354

■ 5.6121, 4.5032,
18.0264

■ 38.2292, 41.6438,
23.4762

■ 4.7802, 3.4507,
17.8671

■ 43.1881, 47.1378,
24.2753

■ 4.1677, 2.6430,
17.7435

■ 48.5368, 53.0468,
25.1339

■ 3.7467, 2.0561,
17.6524

■ 54.2837, 59.3793,
26.0533

Harmonies

Analogous

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



15.8897, 16.8772, 19.8293



16.1571, 16.8772, 19.8588



16.3961, 16.8772, 19.4832

Triad

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



16.1571, 16.8772, 19.8588



16.4232, 16.8772, 17.3860



15.5518, 16.8772, 17.9443

Complementary

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



16.1571, 16.8772, 19.8588



17.0668, 18.0709, 18.2115

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.



15.6916, 16.8772, 17.3123



16.1571, 16.8772, 19.8588



16.1938, 16.8772, 16.9963

Square

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



16.1571, 16.8772, 19.8588



16.5509, 16.8772, 18.0475



15.9260, 16.8772, 16.9697



15.5423, 16.8772, 18.7093

Rectangle

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



16.1571, 16.8772, 19.8588



16.5063, 16.8772, 19.0595



15.9260, 16.8772, 16.9697



15.5851, 16.8772, 17.7098

Sweetspot

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



16.1576, 16.8779, 19.8592



30.3784, 31.8718, 35.8038



16.6712, 18.0102, 19.7063



7.2171, 7.5735, 8.4881



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.



16.1576, 16.8779, 19.8592



28.4101, 29.6254, 35.4740



16.2922, 16.7805, 19.8333



3.7082, 3.8658, 4.6410



3.7956, 1.9310, 18.7152



18.0580, 8.5325, 91.0555

Inverse Universe

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



16.5505, 16.9474, 18.3192



29.2633, 29.7789, 32.1294



16.9273, 18.1750, 18.2390



3.8227, 3.8865, 4.1921



8.2130, 4.2189, 1.0639



39.8016, 20.4707, 4.0185

Previews

White Background



This preview shows how the XYZ color 16.1571, 16.8772, 19.8588 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 16.1571, 16.8772, 19.8588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

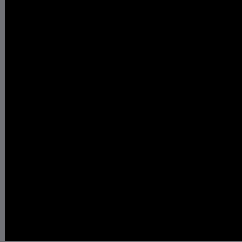
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

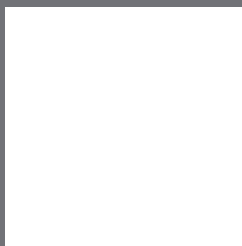
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1571, 16.8772, 19.8588

Background



This preview shows how black text looks on a background with the XYZ color 16.1571, 16.8772, 19.8588.



This preview shows how white text looks on a background with the XYZ color 16.1571, 16.8772,

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

16.1571, 16.8772, 19.8588

Protanopia

16.3051, 16.7870, 19.8336

Deuteranopia

17.2430, 16.9359, 20.1295



Tritanopia

16.3574, 16.7928, 20.7916

Trichromacy



Original Color

16.1571, 16.8772, 19.8588

Protanomaly

16.1743, 16.7196, 19.8275

Deuteranomaly

16.7921, 16.8663, 20.1398

Tritanomaly

16.2957, 16.7681, 20.4669

Monochromacy



Original Color

16.1571, 16.8772, 19.8588

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1091, 16.8730, 18.9308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1571, 16.8772, 19.8588 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(113, 114, 119)` looks like.

```
.text, #text, p{  
    color:rgb(113, 114, 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(113, 114, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 114, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.1571, 16.8772, 19.8588 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(113, 114, 119) }
```


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

```
.border{ border-color:rgb(113, 114, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 114, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 114, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 114, 119);  
box-shadow:4px 4px 4px 4px rgb(113, 114,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1571, 16.8772, 19.8588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 114, 119) }
```

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

```
.background{ background-color: rgb(113,  
114, 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](#).

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