

Converting Colors

XYZ(18.3002, 16.9104, 20.0692)

Have a look what the booklet for
XYZ(18.3002, 16.9104, 20.0692)
contains.

XYZ(18.3207, 16.8580, 20.0576)	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(18.3207, 16.8580,
20.0576)**

Conversions

Conversions Part 1

Format	Color
Hex	856B78
RGB	133, 107, 120
RGB Percent	52%, 42%, 47%
CMY	0.4784, 0.5804, 0.5294
CMYK	0.00, 0.20, 0.10, 0.48
HSL	330°, 11%, 47%
HSV	330°, 20%, 52%
XYZ	18.3207, 16.8580, 20.0576
YIQ	116.2560, 11.3230, 9.5550

Conversions

Conversions Part 2

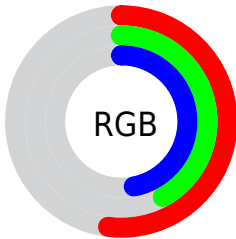
Format	Color
R_{YB}	133, 107, 120
Decimal	8743800
CIE Lab	48.08, 12.62, -3.31
CIE LCh	48, 13.046, 345.281
Yxy	16.8580, 0.3317, 0.3052
Android (android.graphics.Color)	4286933880 (0xFF856B78)
YUV	116.2560, 1.8458, 14.6845
Hunter-Lab	41.0585, 7.7961, -0.2230

Details

The XYZ color **18.3207, 16.8580, 20.0576** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8417, 21.2573, 20.9330**, and the grayscale version is **16.6715, 17.5397, 19.1007**.

A 20% lighter version of the original color is **39.9230, 37.8714, 44.2355**, and **6.3528, 5.5386, 6.8651** is the 20% darker color. If you saturate the color by 10%, you get **16.6497, 14.1395, 17.5780**, and if you desaturate by 10%, it is **20.2340, 20.0158, 22.7567**.

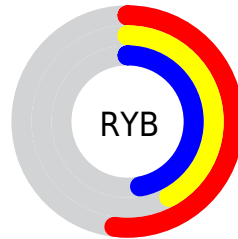
Distribution



Red (52%)

Green (42%)

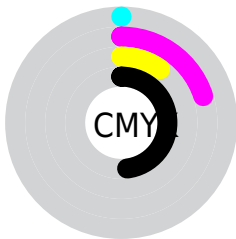
Blue (47%)



Red (52%)

Yellow (42%)

Blue (47%)

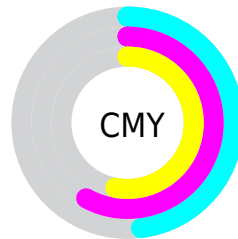


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (48%)



Cyan (48%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3207, 16.8580, 20.0576 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 18.3207, 16.8580, 20.0576 by changing the saturation by 10% instead.

■ 18.3207, 16.8580,
20.0576

■ 18.3207, 16.8580,
20.0576

235.6833,
234.3527, 264.8413

■ 11.2816, 10.1333,
12.2524

■ 40.1088, 38.0815,
44.3740

■ 6.3252, 5.4874,
6.7912

■ 55.5886, 53.3490,
61.7223

■ 3.0864, 2.5360,
3.2554

■ 74.6125, 72.2330,
83.0887

■ 1.1996, 0.8946,
1.2265

■ 97.5461, 95.1178,
108.8917

■ 0.1061, 0.0000,
0.0004

124.7546,
122.3877, 139.5500

■ 0.0000, 0.0000,
0.0000

156.6034,

154.4273, 175.4820

193.4578,
191.6208, 217.1062

■ 18.3207, 16.8580,
20.0576

■ 18.3207, 16.8580,
20.0576

■ 16.6497, 14.1395,
17.5780

■ 20.2340, 20.0158,
22.7567

■ 15.2093, 11.8384,
15.3106

■ 22.3979, 23.6292,
25.6802

■ 13.9888, 9.9342,
13.2492

■ 24.8218, 27.7161,
28.8341

■ 12.9764, 8.4040,
11.3868

■ 27.5144, 32.2930,
32.2238

■ 12.1588, 7.2223,
9.7161

■ 30.4840, 37.3755,
35.8545

■ 11.5211, 6.3604,
8.2287

■ 33.7384, 42.9787,
39.7314

■ 11.0461, 5.7850,
6.9156

■ 37.2852, 49.1168,
43.8593

■ 10.6865, 5.4025,
5.7577

■ 41.1316, 55.8035,
48.2429

■ 10.6709, 5.3858,
5.7081

■ 45.2846, 63.0523,
52.8869

Harmonies

Analogous

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



17.6910, 16.8580, 23.3212



18.3207, 16.8580, 20.0576



18.3144, 16.8580, 16.6946

Triad

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



18.3207, 16.8580, 20.0576



15.4321, 16.8580, 12.7706



14.4780, 16.8580, 23.3742

Complementary

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



18.3207, 16.8580, 20.0576



17.8417, 21.2573, 20.9330

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.



13.9312, 16.8580, 20.1230



18.3207, 16.8580, 20.0576



14.4633, 16.8580, 14.1500

Square

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



18.3207, 16.8580, 20.0576



16.6068, 16.8580, 12.7576



13.9260, 16.8580, 16.7525



15.4531, 16.8580, 25.3897

Rectangle

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



18.3207, 16.8580, 20.0576



17.9487, 16.8580, 14.8503



13.9260, 16.8580, 16.7525



14.2402, 16.8580, 22.3730

Sweetspot

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



18.3212, 16.8588, 20.0580



37.5050, 37.9574, 42.4921



17.2377, 16.2028, 24.4094



8.4048, 8.4768, 9.5121



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.3212, 16.8588, 20.0580



31.5684, 28.1622, 34.1074



17.5850, 16.5643, 16.1812



4.7624, 4.7247, 5.3613



10.1683, 5.1317, 5.4585



0.0389, 0.0192, 0.0383

Inverse Universe

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



18.3212, 16.8588, 20.0580



31.5684, 28.1622, 34.1074



18.6851, 21.5946, 25.3738



4.7624, 4.7247, 5.3613



10.1683, 5.1317, 5.4585



0.0389, 0.0192, 0.0383

Previews

White Background



This preview shows how the XYZ color 18.3207, 16.8580, 20.0576 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 18.3207, 16.8580, 20.0576 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 18.3207, 16.8580, 20.0576

Background



This preview shows how black text looks on a background with the XYZ color 18.3207, 16.8580, 20.0576.



This preview shows how white text looks on a background with the XYZ color 18.3207, 16.8580,

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

18.3207, 16.8580, 20.0576

Protanopia

16.5948, 17.0673, 21.4885

Deuteranopia

17.1826, 16.9117, 19.8114



Tritanopia

18.0307, 16.8916, 18.8331

Trichromacy



Original Color

18.3207, 16.8580, 20.0576

Protanomaly

17.1447, 16.8639, 21.0903

Deuteranomaly

17.6581, 16.9958, 19.8026

Tritanomaly

18.0892, 16.9150, 19.1411

Monochromacy



Original Color

18.3207, 16.8580, 20.0576

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.1421, 17.2322, 19.2523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3207, 16.8580, 20.0576 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(133, 107, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 107, 120)  
}
```

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(133, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 107, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.3207, 16.8580, 20.0576 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(133, 107, 120) }
```


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

```
.border{ border-color:rgb(133, 107, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 107, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 107,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3207, 16.8580, 20.0576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 107, 120) }
```

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

```
.background{ background-color: rgb(133,  
107, 120) }
```

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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