

Converting Colors

XYZ(18.5017, 16.7220, 20.1035)

Have a look what the booklet for
XYZ(18.5017, 16.7220, 20.1035)
contains.

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Color

**XYZ(18.5359, 16.8150,
20.0380)**

Conversions

Conversions Part 1

Format	Color
Hex	876A78
RGB	135, 106, 120
RGB Percent	53%, 42%, 47%
CMY	0.4706, 0.5843, 0.5294
CMYK	0.00, 0.21, 0.11, 0.47
HSL	331°, 12%, 47%
HSV	331°, 21%, 53%
XYZ	18.5359, 16.8150, 20.0380
YIQ	116.2670, 12.7900, 10.5020

Conversions

Conversions Part 2

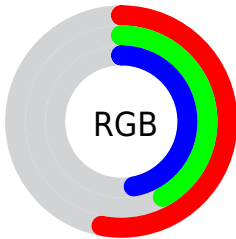
Format	Color
R_{YB}	135, 106, 120
Decimal	8874616
CIE Lab	48.03, 13.98, -3.37
CIE LCh	48, 14.380, 346.440
Yxy	16.8150, 0.3347, 0.3036
Android (android.graphics.Color)	4287064696 (0xFF876A78)
YUV	116.2670, 1.8404, 16.4288
Hunter-Lab	41.0061, 8.9263, -0.2683

Details

The XYZ color **18.5359, 16.8150, 20.0380** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0597, 21.7731, 21.3409**, and the grayscale version is **16.6745, 17.5429, 19.1042**.

A 20% lighter version of the original color is **40.4896, 37.9113, 44.2133**, and **6.4800, 5.5271, 6.8562** is the 20% darker color. If you saturate the color by 10%, you get **16.8443, 14.0853, 17.4589**, and if you desaturate by 10%, it is **20.4784, 19.9966, 22.8537**.

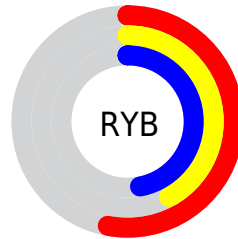
Distribution



Red (53%)

Green (42%)

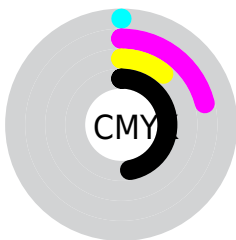
Blue (47%)



Red (53%)

Yellow (42%)

Blue (47%)

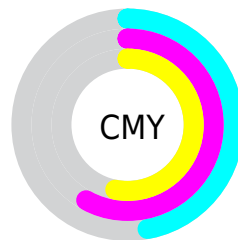


Cyan (0%)

Magenta (21%)

Yellow (11%)

Black (47%)



Cyan (47%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5359, 16.8150, 20.0380 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 18.5359, 16.8150, 20.0380 by changing the saturation by 10% instead.

■ 18.5359, 16.8150,
20.0380

■ 18.5359, 16.8150,
20.0380

236.8622,
234.1040, 264.7318

■ 11.4374, 10.1027,
12.2383

■ 40.4714, 38.0074,
44.3407

■ 6.4313, 5.4671,
6.7817

■ 56.0391, 53.2563,
61.6808

■ 3.1522, 2.5238,
3.2496

■ 75.1605, 72.1195,
83.0381

■ 1.2348, 0.8885,
1.2234

■ 98.2012, 94.9814,
108.8312

■ 0.1336, 0.0000,
0.0000

125.5263,
122.2264, 139.4785

■ 0.0000, 0.0000,
0.0000

157.5012,

154.2389, 175.3987

194.4914,
191.4033, 217.0103

■ 18.5359, 16.8150,
20.0380

■ 18.5359, 16.8150,
20.0380

■ 16.8443, 14.0853,
17.4589

■ 20.4784, 19.9966,
22.8537

■ 15.3913, 11.7847,
15.1084

■ 22.6806, 23.6472,
25.9114

■ 14.1657, 9.8914,
12.9797


■ 25.1525, 27.7859,
29.2177

■ 13.1546, 8.3811,
11.0651


■ 27.9033, 32.4298,
32.7786


■ 12.3441, 7.2268,
9.3561


■ 30.9416, 37.5954,
36.5999


 11.7183, 6.3978,
7.8440


 34.2757, 43.2983,
40.6872

 11.2584, 5.8585,
6.5184

 37.9135, 49.5535,
45.0457

 10.9508, 5.5346,
5.5176

 41.8627, 56.3754,
49.6808

 46.1307, 63.7779,
54.5975

Harmonies

Analogous

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



17.8618, 16.8150, 23.6951



18.5359, 16.8150, 20.0380



18.5000, 16.8150, 16.3575

Triad

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



18.5359, 16.8150, 20.0380



15.2855, 16.8150, 12.2680



14.3216, 16.8150, 23.9983

Complementary

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



18.5359, 16.8150, 20.0380



18.0597, 21.7731, 21.3409

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.



13.7038, 16.8150, 20.4092



18.5359, 16.8150, 20.0380



14.2393, 16.8150, 13.8075

Square

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



18.5359, 16.8150, 20.0380



16.5751, 16.8150, 12.1968



13.6744, 16.8150, 16.6818



15.4035, 16.8150, 26.1821

Rectangle

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



18.5359, 16.8150, 20.0380



18.0774, 16.8150, 14.3791



13.6744, 16.8150, 16.6818



14.0554, 16.8150, 22.8959

Sweetspot

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



18.5364, 16.8158, 20.0384



38.7214, 39.1974, 43.7982



17.4107, 16.1219, 25.1162



8.9178, 8.9953, 10.0742



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.



18.5364, 16.8158, 20.0384



31.5938, 27.5200, 33.4754



17.7978, 16.6002, 15.9026



4.7592, 4.7234, 5.3445



10.1046, 5.1062, 5.1231



0.0387, 0.0192, 0.0370

Inverse Universe

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



18.5364, 16.8158, 20.0384



31.5938, 27.5200, 33.4754



18.9143, 22.0073, 26.1730



4.7592, 4.7234, 5.3445



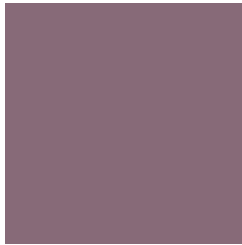
10.1046, 5.1062, 5.1231



0.0387, 0.0192, 0.0370

Previews

White Background



This preview shows how the XYZ color 18.5359, 16.8150, 20.0380 looks on a white background.

Color Contrast Check

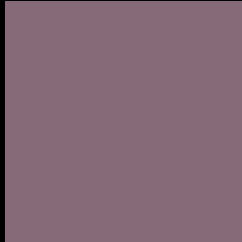
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5359, 16.8150, 20.0380 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

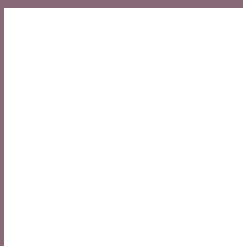
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5359, 16.8150, 20.0380

Background



This preview shows how black text looks on a background with the XYZ color 18.5359, 16.8150, 20.0380.



This preview shows how white text looks on a background with the XYZ color 18.5359, 16.8150,

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

18.5359, 16.8150, 20.0380

Protanopia

16.4169, 16.8016, 21.7798

Deuteranopia

17.1826, 16.9117, 19.8114



Tritanopia

18.1837, 16.8215, 18.5081

Trichromacy



Original Color

18.5359, 16.8150, 20.0380

Protanomaly

17.0362, 16.6469, 21.0542

Deuteranomaly

17.5508, 16.7812, 19.7668

Tritanomaly

18.3001, 16.8681, 19.1210

Monochromacy



Original Color

18.5359, 16.8150, 20.0380

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.1734, 17.0836, 19.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5359, 16.8150, 20.0380 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, 106, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 106, 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(135, 106, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 106, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.5359, 16.8150, 20.0380 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, 106, 120) }
```


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

```
.border{ border-color:rgb(135, 106, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 106, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 106, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 106, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 106,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5359, 16.8150, 20.0380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 106, 120) }
```

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

```
.background{ background-color: rgb(135,  
106, 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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