

Converting Colors

XYZ(18.0910, 16.3955, 19.8572)

Have a look what the booklet for
XYZ(18.0910, 16.3955, 19.8572)
contains.

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Color

**XYZ(18.1146, 16.4458,
19.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	856978
RGB	133, 105, 120
RGB Percent	52%, 41%, 47%
CMY	0.4784, 0.5882, 0.5294
CMYK	0.00, 0.21, 0.10, 0.48
HSL	328°, 12%, 47%
HSV	328°, 21%, 52%
XYZ	18.1146, 16.4458, 19.9889
YIQ	115.0820, 11.8730, 10.6010

Conversions

Conversions Part 2

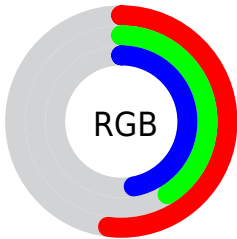
Format	Color
R_{YB}	133, 105, 120
Decimal	8743288
CIE _{Lab}	47.55, 13.80, -4.09
CIE _{LCh}	48, 14.394, 343.482
Yxy	16.4458, 0.3321, 0.3015
Android (android.graphics.Color)	4286933368 (0xFF856978)
YUV	115.0820, 2.4246, 15.7141
Hunter-Lab	40.5534, 8.7648, -0.8368

Details

The XYZ color **18.1146, 16.4458, 19.9889** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.4839, 21.0867, 20.2892**, and the grayscale version is **16.3113, 17.1608, 18.6881**.

A 20% lighter version of the original color is **39.5846, 37.1946, 44.1227**, and **6.2500, 5.3330, 6.8308** is the 20% darker color. If you saturate the color by 10%, you get **16.5018, 13.8005, 17.6615**, and if you desaturate by 10%, it is **19.9645, 19.5260, 22.5150**.

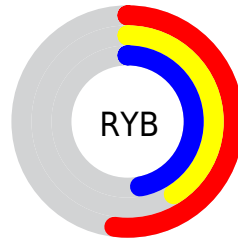
Distribution



Red (52%)

Green (41%)

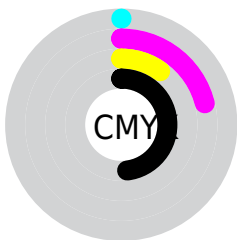
Blue (47%)



Red (52%)

Yellow (41%)

Blue (47%)

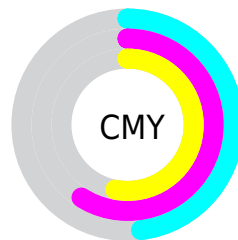


Cyan (0%)

Magenta (21%)

Yellow (10%)

Black (48%)



Cyan (48%)

Magenta (59%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1146, 16.4458, 19.9889 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 18.1146, 16.4458, 19.9889 by changing the saturation by 10% instead.

■ 18.1146, 16.4458,
19.9889

■ 18.1146, 16.4458,
19.9889

234.5493,
231.9581, 264.4573

■ 11.1325, 9.8402,
12.2030

■ 39.7611, 37.3704,
44.2573

■ 6.2240, 5.2931,
6.7579

■ 55.1561, 52.4582,
61.5769

■ 3.0237, 2.4202,
3.2350

■ 74.0862, 71.1421,
82.9114

■ 1.1663, 0.8363,
1.2158

■ 96.9166, 93.8066,
108.6794

■ 0.0795, 0.0000,
0.0000

124.0128,
120.8361, 139.2995

■ 0.0000, 0.0000,
0.0000

155.7401,

152.6149, 175.1901

192.4638,
189.5274, 216.7698

■ 18.1146, 16.4458,
19.9889

■ 18.1146, 16.4458,
19.9889

■ 16.5018, 13.8005,
17.6615

■ 19.9645, 19.5260,
22.5150

■ 15.1142, 11.5681,
15.5260

■ 22.0595, 23.0574,
25.2441

■ 13.9414, 9.7280,
13.5769

■ 24.4094, 27.0582,
28.1817

■ 12.9713, 8.2567,
11.8078

■ 27.0225, 31.5450,
31.3327

■ 12.1906, 7.1285,
10.2117

■ 29.9072, 36.5335,
34.7019

■ 11.5842, 6.3143,
8.7811

■ 33.0713, 42.0386,
38.2938

■ 11.1347, 5.7798,
7.5077

■ 36.5222, 48.0748,
42.1128

■ 10.8181, 5.4447,
6.4832

■ 40.2672, 54.6559,
46.1633

■ 44.3132, 61.7951,
50.4493

Harmonies

Analogous

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



17.3889, 16.4458, 23.5306



18.1146, 16.4458, 19.9889



18.1519, 16.4458, 16.3113

Triad

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



18.1146, 16.4458, 19.9889



15.0638, 16.4458, 11.8836



13.9107, 16.4458, 23.2149

Complementary

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



18.1146, 16.4458, 19.9889



17.4839, 21.0867, 20.2892

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.



13.3555, 16.4458, 19.6028



18.1146, 16.4458, 19.9889



13.9962, 16.4458, 13.2589

Square

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



18.1146, 16.4458, 19.9889



16.3423, 16.4458, 11.9574



13.3859, 16.4458, 15.9743



14.9411, 16.4458, 25.5601

Rectangle

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



18.1146, 16.4458, 19.9889



17.7778, 16.4458, 14.2889



13.3859, 16.4458, 15.9743



13.6648, 16.4458, 22.0887

Sweetspot

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



18.1151, 16.4465, 19.9892



37.5397, 37.9713, 42.6750



16.7029, 15.6211, 24.3253



8.4132, 8.4802, 9.5567



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.



18.1151, 16.4465, 19.9892



31.0837, 27.2174, 33.8698



17.3474, 16.1395, 15.9468



4.7691, 4.7273, 5.3963



10.3085, 5.1877, 6.1969



0.0394, 0.0194, 0.0409

Inverse Universe

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



18.1151, 16.4465, 19.9892



31.0837, 27.2174, 33.8698



18.3513, 21.4337, 24.8567



4.7691, 4.7273, 5.3963



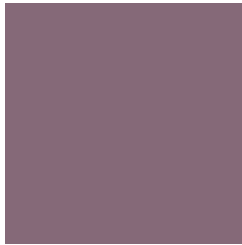
10.3085, 5.1877, 6.1969



0.0394, 0.0194, 0.0409

Previews

White Background



This preview shows how the XYZ color 18.1146, 16.4458, 19.9889 looks on a white background.

Color Contrast Check

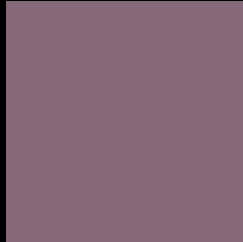
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1146, 16.4458, 19.9889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

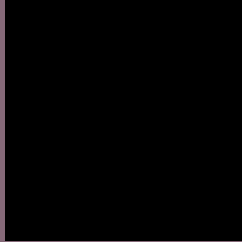
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1146, 16.4458, 19.9889

Background



This preview shows how black text looks on a background with the XYZ color 18.1146, 16.4458, 19.9889.



This preview shows how white text looks on a background with the XYZ color 18.1146, 16.4458,

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

18.1146, 16.4458, 19.9889

Protanopia

16.1144, 16.4883, 21.4020

Deuteranopia

16.7909, 16.5487, 19.7620



Tritanopia

17.7070, 16.4285, 18.1573

Trichromacy



Original Color

18.1146, 16.4458, 19.9889

Protanomaly

16.7895, 16.3604, 21.0119

Deuteranomaly

17.1498, 16.4170, 19.7177

Tritanomaly

17.8221, 16.4746, 18.7636

Monochromacy



Original Color

18.1146, 16.4458, 19.9889

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9214, 16.7908, 19.1787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1146, 16.4458, 19.9889 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, 105, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 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, 105, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.1146, 16.4458, 19.9889 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, 105, 120) }
```


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

```
.border{ border-color:rgb(133, 105, 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, 105, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1146, 16.4458, 19.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 120) }
```

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

```
.background{ background-color: rgb(133,  
105, 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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