

Converting Colors

XYZ(19.8427, 16.8916, 13.8505)

Have a look what the booklet for
XYZ(19.8427, 16.8916, 13.8505)
contains.

XYZ(19.8072, 16.8646, 13.7665)	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(19.8072, 16.8646,
13.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	986562
RGB	152, 101, 98
RGB Percent	60%, 40%, 38%
CMY	0.4039, 0.6039, 0.6157
CMYK	0.00, 0.34, 0.36, 0.40
HSL	3°, 22%, 49%
HSV	3°, 36%, 60%
XYZ	19.8072, 16.8646, 13.7665
YIQ	115.9070, 31.3590, 9.8790

Conversions

Conversions Part 2

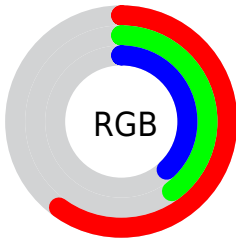
Format	Color
R_{YB}	152, 101, 98
Decimal	9987426
CIE _{Lab}	48.09, 20.19, 10.12
CIE _{LCh}	48, 22.584, 26.615
Yxy	16.8646, 0.3927, 0.3344
Android (android.graphics.Color)	4288177506 (0xFF986562)
YUV	115.9070, -8.8282, 31.6536
Hunter-Lab	41.0665, 14.2276, 8.8711

Details

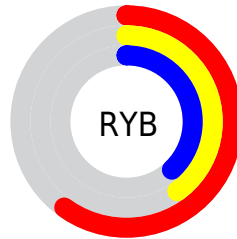
The XYZ color **19.8072, 16.8646, 13.7665** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.4516, 26.3577, 33.6628**, and the grayscale version is **16.5918, 17.4559, 19.0095**.

A 20% lighter version of the original color is **42.6655, 38.0363, 33.5268**, and **7.0385, 5.4468, 3.9292** is the 20% darker color. If you saturate the color by 10%, you get **17.8825, 14.0566, 9.9140**, and if you desaturate by 10%, it is **22.1126, 20.2156, 18.4187**.

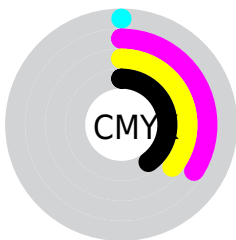
Distribution



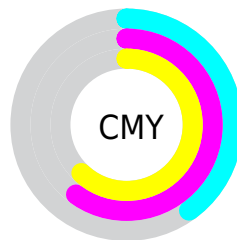
- Red (60%)
- Green (40%)
- Blue (38%)



- Red (60%)
- Yellow (40%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (36%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8072, 16.8646, 13.7665 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 19.8072, 16.8646, 13.7665 by changing the saturation by 10% instead.

■ 19.8072, 16.8646,
13.7665

■ 19.8072, 16.8646,
13.7665

243.7230,
234.3909, 227.1510

■ 12.3624, 10.1380,
7.8216

■ 42.6001, 38.0928,
33.3853

■ 7.0650, 5.4906,
3.8948

■ 58.6790, 53.3632,
47.8962

■ 3.5494, 2.5379,
1.5678

■ 78.3666, 72.2504,
66.0995

■ 1.4505, 0.8955,
0.2677

■ 102.0282, 95.1387,
88.4138

■ 0.2918, 0.0000,
0.0000

130.0294,
122.4125, 115.2575

■ 0.0000, 0.0000,
0.0000

162.7353,

154.4562, 147.0493

200.5114,
191.6542, 184.2076

■ 19.8072, 16.8646,
13.7665

■ 19.8072, 16.8646,
13.7665

■ 17.8825, 14.0566,
9.9140

■ 22.1126, 20.2156,
18.4187

■ 16.3166, 11.7608,
6.8153

■ 24.8162, 24.1336,
23.9110

■ 15.0879, 9.9470,
4.4211


■ 27.9361, 28.6440,
30.2823


■ 14.1713, 8.5809,
2.6762


■ 31.4887, 33.7699,
37.5689


■ 13.5388, 7.6234,
1.5170


■ 35.4899, 39.5332,
45.8050


 13.1553, 7.0285,
0.8586

 39.9544, 45.9549,
55.0229

 13.0407, 6.8589,
0.6366

 44.8964, 53.0548,
65.2535

 50.3296, 60.8520,
76.5263

 56.2669, 69.3648,
88.8697

Harmonies

Analogous

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



20.2827, 16.8646, 19.0356



19.8072, 16.8646, 13.7665



18.2913, 16.8646, 10.4746

Triad

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



19.8072, 16.8646, 13.7665



12.9657, 16.8646, 12.8379



15.7983, 16.8646, 32.0511

Complementary

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



19.8072, 16.8646, 13.7665



21.4516, 26.3577, 33.6628

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.



13.9619, 16.8646, 29.4595



19.8072, 16.8646, 13.7665



12.4164, 16.8646, 17.7058

Square

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



19.8072, 16.8646, 13.7665



14.3318, 16.8646, 10.0240



12.7652, 16.8646, 23.8825



17.8558, 16.8646, 30.3800

Rectangle

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



19.8072, 16.8646, 13.7665



16.9567, 16.8646, 9.4430



12.7652, 16.8646, 23.8825



15.1363, 16.8646, 31.6380

Sweetspot

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



19.8076, 16.8654, 13.7668



46.0856, 45.9003, 46.8603



22.7655, 17.5905, 30.7550



10.3234, 10.2138, 10.3420



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.8076, 16.8654, 13.7668



32.0928, 25.5839, 18.5525



22.8337, 22.9176, 14.7755



6.2350, 6.2751, 6.4884



10.9421, 5.7665, 0.5363



0.1700, 0.0991, 0.0102

Inverse Universe

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



21.4516, 26.3577, 33.6628



35.4494, 44.9886, 59.2490



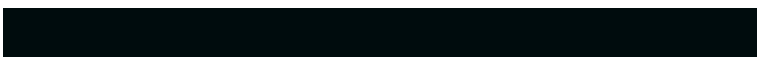
17.7011, 18.8567, 32.4126



6.3552, 6.9677, 7.9389



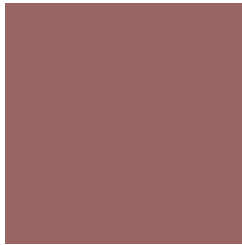
13.0645, 18.5256, 27.7949



0.2030, 0.2924, 0.4181

Previews

White Background



This preview shows how the XYZ color 19.8072, 16.8646, 13.7665 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 19.8072, 16.8646, 13.7665 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 19.8072, 16.8646, 13.7665

Background



This preview shows how black text looks on a background with the XYZ color 19.8072, 16.8646, 13.7665.

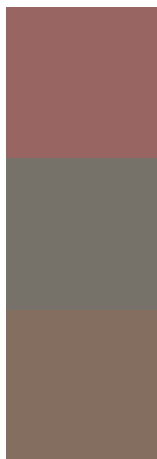


This preview shows how white text looks on a background with the XYZ color 19.8072, 16.8646,

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

19.8072, 16.8646, 13.7665

Protanopia

16.1749, 16.9765, 15.7889

Deuteranopia

17.2030, 16.9019, 13.4220



Tritanopia

20.3479, 16.9482, 16.1088

Trichromacy



Original Color

19.8072, 16.8646, 13.7665

Protanomaly

17.2270, 16.7219, 14.8901

Deuteranomaly

18.0628, 16.8674, 13.6130

Tritanomaly

20.1927, 16.8861, 15.2918

Monochromacy



Original Color

19.8072, 16.8646, 13.7665

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.4980, 17.1401, 16.8541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8072, 16.8646, 13.7665 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(152, 101, 98)` looks like.

```
.text, #text, p{  
    color:rgb(152, 101, 98)  
}
```

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(152, 101, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 101, 98) }
```

Border

The CSS property to change the border of an element to XYZ 19.8072, 16.8646, 13.7665 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(152, 101, 98) }
```


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

```
.border{ border-color:rgb(152, 101, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 101, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 101, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 101, 98);  
box-shadow:4px 4px 4px 4px rgb(152, 101,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8072, 16.8646, 13.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 101, 98) }
```

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

```
.background{ background-color: rgb(152,  
101, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor