

Converting Colors

XYZ(20.7006, 18.3133, 16.9118)

Have a look what the booklet for
XYZ(20.7006, 18.3133, 16.9118)
contains.

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Color

**XYZ(20.7006, 18.3133,
16.9118)**

Conversions

Conversions Part 1

Format	Color
Hex	966C6D
RGB	150, 108, 109
RGB Percent	59%, 42%, 43%
CMY	0.4118, 0.5765, 0.5725
CMYK	0.00, 0.28, 0.27, 0.41
HSL	359°, 17%, 51%
HSV	359°, 28%, 59%
XYZ	20.7006, 18.3133, 16.9118
YIQ	120.6720, 24.7110, 9.2150

Conversions

Conversions Part 2

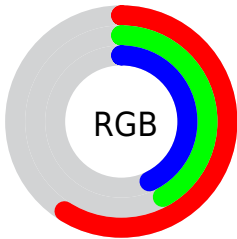
Format	Color
RYB	150, 108, 109
Decimal	9858157
CIELab	49.87, 16.89, 6.07
CIElCh	50, 17.946, 19.763
Yxy	18.3133, 0.3701, 0.3275
Android (android.graphics.Color)	4288048237 (0xFF966C6D)
YUV	120.6720, -5.7543, 25.7207
Hunter-Lab	42.7940, 11.4556, 6.5250

Details

The XYZ color **20.7006, 18.3133, 16.9118** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.5163, 27.1713, 32.4930**, and the grayscale version is **18.0810, 19.0226, 20.7156**.

A 20% lighter version of the original color is **44.0928, 40.6588, 38.7817**, and **7.5224, 6.1762, 5.3531** is the 20% darker color. If you saturate the color by 10%, you get **18.5289, 15.1280, 12.6173**, and if you desaturate by 10%, it is **23.2769, 22.0972, 21.9896**.

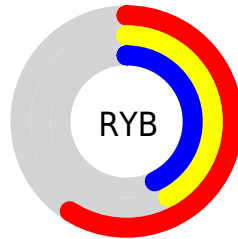
Distribution



Red (59%)

Green (42%)

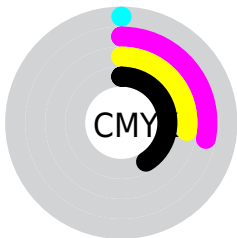
Blue (43%)



Red (59%)

Yellow (42%)

Blue (43%)

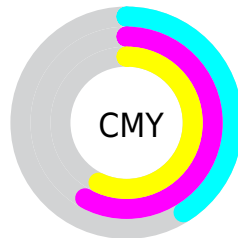


Cyan (0%)

Magenta (28%)

Yellow (27%)

Black (41%)



Cyan (41%)


Magenta (58%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7006, 18.3133, 16.9118 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 20.7006, 18.3133, 16.9118 by changing the saturation by 10% instead.


 20.7006, 18.3133,
16.9118


 20.7006, 18.3133,
16.9118


248.4450,
242.6311, 246.6903


 13.0165, 11.1752,
10.0103


 44.0838, 40.5705,
38.9626


 7.5170, 6.1848,
5.3001


 60.5136, 56.4583,
54.9491

 3.8367, 2.9578,
2.3626

 80.5893, 76.0314,
74.8010

 1.6102, 1.1097,
0.7660

 104.6764, 99.6743,
98.9368

 0.3990, 0.0000,
0.0000

133.1402,
127.7713, 127.7751

 0.0000, 0.0000,
0.0000

166.3459,

160.7068, 161.7344

204.6591,
198.8653, 201.2333

■ 20.7006, 18.3133,
16.9118

■ 20.7006, 18.3133,
16.9118

■ 18.5289, 15.1280,
12.6173

■ 23.2769, 22.0972,
21.9896

■ 16.7398, 12.5083,
9.0660

■ 26.2752, 26.5055,
27.8857

■ 15.3116, 10.4220,
6.2162

■ 29.7139, 31.5655,
34.6345

■ 14.2198, 8.8323,
4.0213

■ 33.6096, 37.3022,
42.2680

■ 13.4368, 7.6980,
2.4293

■ 37.9784, 43.7393,
50.8164

■ 12.9308, 6.9715,
1.3803

■ 42.8353, 50.8991,
60.3088

■ 12.6459, 6.5635,
0.7868

■ 48.1948, 58.8034,
70.7728

■ 12.5973, 6.4919,
0.6914

■ 54.0707, 67.4726,
82.2348

■ 60.4764, 76.9265,
94.7205

Harmonies

Analogous

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



20.8602, 18.3133, 21.6675



20.7006, 18.3133, 16.9118



19.6263, 18.3133, 13.5600

Triad

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



20.7006, 18.3133, 16.9118



15.0064, 18.3133, 14.4365



16.8263, 18.3133, 30.7628

Complementary

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



20.7006, 18.3133, 16.9118



22.5163, 27.1713, 32.4930

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.



15.3602, 18.3133, 28.0608



20.7006, 18.3133, 16.9118



14.3562, 18.3133, 18.3070

Square

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



20.7006, 18.3133, 16.9118



16.3140, 18.3133, 12.3020



14.4814, 18.3133, 23.3098



18.5462, 18.3133, 30.2236

Rectangle

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



20.7006, 18.3133, 16.9118



18.5730, 18.3133, 12.3214



14.4814, 18.3133, 23.3098



16.2894, 18.3133, 30.1883

Sweetspot

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



20.7011, 18.3142, 16.9122



46.2789, 46.6427, 49.0337



23.1897, 19.2800, 31.3535



10.0827, 10.0817, 10.5259



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.7011, 18.3142, 16.9122



33.8979, 28.4548, 24.6396



22.9521, 22.9017, 17.3992



5.8060, 5.8175, 6.0848



10.4496, 5.3849, 0.5825



0.1290, 0.0664, 0.0130

Inverse Universe

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



20.7011, 18.3142, 16.9122



33.8979, 28.4548, 24.6396



19.7261, 21.4628, 31.9574



5.8060, 5.8175, 6.0848



10.4496, 5.3849, 0.5825



0.1290, 0.0664, 0.0130

Previews

White Background



This preview shows how the XYZ color 20.7006, 18.3133, 16.9118 looks on a white background.

Color Contrast Check

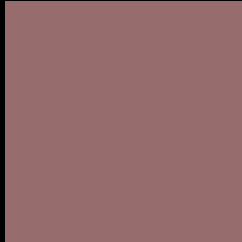
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7006, 18.3133, 16.9118 looks on a black 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

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

XYZ 20.7006, 18.3133, 16.9118

Background



This preview shows how black text looks on a background with the XYZ color 20.7006, 18.3133, 16.9118.

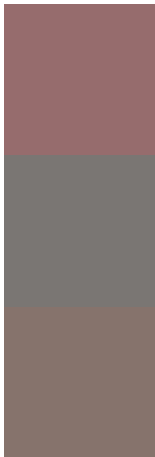


This preview shows how white text looks on a background with the XYZ color 20.7006, 18.3133,

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

20.7006, 18.3133, 16.9118

Protanopia

17.5990, 18.3322, 18.8306

Deuteranopia

18.6690, 18.4125, 16.7574



Tritanopia

21.1147, 18.3325, 18.6453

Trichromacy



Original Color

20.7006, 18.3133, 16.9118

Protanomaly

18.5137, 18.1324, 18.1469

Deuteranomaly

19.3162, 18.2465, 16.6912

Tritanomaly

21.0008, 18.2870, 18.0457

Monochromacy



Original Color

20.7006, 18.3133, 16.9118

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9720, 18.6807, 19.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7006, 18.3133, 16.9118 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(150, 108, 109)` looks like.

```
.text, #text, p{  
    color:rgb(150, 108, 109)  
}
```

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(150, 108, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 108, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.7006, 18.3133, 16.9118 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(150, 108, 109) }
```


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

```
.border{ border-color:rgb(150, 108, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 108, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 108, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 108, 109);  
box-shadow:4px 4px 4px 4px rgb(150, 108,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7006, 18.3133, 16.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 108, 109) }
```

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

```
.background{ background-color: rgb(150,  
108, 109) }
```

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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