

Converting Colors

XYZ(20.7515, 18.6876, 17.8544)

Have a look what the booklet for
XYZ(20.7515, 18.6876, 17.8544)
contains.

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Color

**XYZ(20.7133, 18.6176,
17.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	946E70
RGB	148, 110, 112
RGB Percent	58%, 43%, 44%
CMY	0.4196, 0.5686, 0.5608
CMYK	0.00, 0.26, 0.24, 0.42
HSL	357°, 15%, 51%
HSV	357°, 26%, 58%
XYZ	20.7133, 18.6176, 17.8311
YIQ	121.5900, 22.0060, 8.6780

Conversions

Conversions Part 2

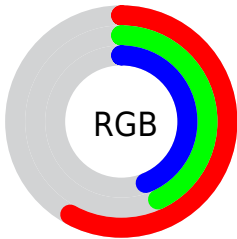
Format	Color
R_{YB}	148, 110, 112
Decimal	9727600
CIE _{Lab}	50.24, 15.39, 4.78
CIE _{LCh}	50, 16.111, 17.258
Yxy	18.6176, 0.3624, 0.3257
Android (android.graphics.Color)	4287917680 (0xFF946E70)
YUV	121.5900, -4.7279, 23.1616
Hunter-Lab	43.1481, 10.1799, 5.7019

Details

The XYZ color **20.7133, 18.6176, 17.8311** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.2094, 26.5706, 31.1535**, and the grayscale version is **18.3754, 19.3324, 21.0529**.

A 20% lighter version of the original color is **44.2498, 41.2175, 40.7455**, and **7.4719, 6.3022, 5.6731** is the 20% darker color. If you saturate the color by 10%, you get **18.5270, 15.3985, 13.5458**, and if you desaturate by 10%, it is **23.2890, 22.4205, 22.8466**.

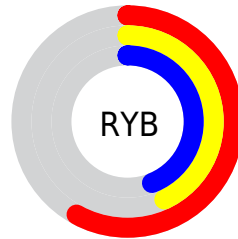
Distribution



Red (58%)

Green (43%)

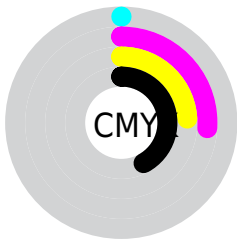
Blue (44%)



Red (58%)

Yellow (43%)

Blue (44%)

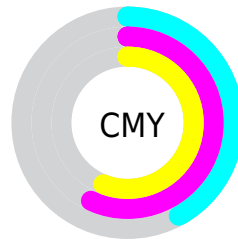


Cyan (0%)

Magenta (26%)

Yellow (24%)

Black (42%)



Cyan (42%)


Magenta (57%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7133, 18.6176, 17.8311 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 20.7133, 18.6176, 17.8311 by changing the saturation by 10% instead.


 20.7133, 18.6176,
17.8311


 20.7133, 18.6176,
17.8311


248.5115,
244.3295, 252.1214

 13.0259, 11.3943,
10.6606


 44.1048, 41.0869,
40.5594


 7.5235, 6.3327,
5.7278


 60.5395, 57.1017,
56.9542

 3.8408, 3.0484,
2.6142

 80.6208, 76.8158,
77.2609

 1.6125, 1.1571,
0.8998

 104.7138,
100.6136, 101.8980

 0.4005, 0.0262,
0.0000

133.1841,
128.8795, 131.2841

 0.0000, 0.0000,
0.0000

166.3969,

161.9978, 165.8376

204.7176,
200.3530, 205.9772

■ 20.7133, 18.6176,
17.8311

■ 20.7133, 18.6176,
17.8311

■ 18.5270, 15.3985,
13.5458

■ 23.2890, 22.4205,
22.8466

■ 16.7096, 12.7320,
9.9554

■ 26.2700, 26.8313,
28.6228

■ 15.2414, 10.5876,
7.0238

■ 29.6735, 31.8760,
35.1899

■ 14.0997, 8.9311,
4.7109

■ 33.5149, 37.5783,
42.5763

■ 13.2597, 7.7243,
2.9723

■ 37.8091, 43.9605,
50.8089

■ 12.6927, 6.9230,
1.7576

■ 42.5701, 51.0442,
59.9131

■ 12.3605, 6.4662,
1.0066

■ 47.8115, 58.8497,
69.9137

■ 12.2554, 6.3130,
0.7960

■ 53.5461, 67.3967,
80.8342

■ 59.7865, 76.7041,
92.6973

Harmonies

Analogous

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



20.7812, 18.6176, 22.2232



20.7133, 18.6176, 17.8311



19.8076, 18.6176, 14.6007

Triad

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



20.7133, 18.6176, 17.8311



15.5853, 18.6176, 14.9882



17.0429, 18.6176, 29.8441

Complementary

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



20.7133, 18.6176, 17.8311



22.2094, 26.5706, 31.1535

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.



15.7391, 18.6176, 27.2478



20.7133, 18.6176, 17.8311



14.9314, 18.6176, 18.4373

Square

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



20.7133, 18.6176, 17.8311



16.8215, 18.6176, 13.1323



14.9860, 18.6176, 22.9248



18.5992, 18.6176, 29.6182

Rectangle

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



20.7133, 18.6176, 17.8311



18.8790, 18.6176, 13.3437



14.9860, 18.6176, 22.9248



16.5624, 18.6176, 29.2582

Sweetspot

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



20.7138, 18.6185, 17.8315



44.9756, 45.3044, 47.8408



22.6812, 19.3531, 30.5572



10.0942, 10.0863, 10.5865



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.



20.7138, 18.6185, 17.8315



34.1737, 29.3527, 26.8152



22.5484, 22.4637, 17.9004



5.8124, 5.8200, 6.1184



10.4713, 5.3936, 0.6970



0.1306, 0.0670, 0.0214

Inverse Universe

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



20.7138, 18.6185, 17.8315



34.1737, 29.3527, 26.8152



19.9645, 21.8301, 31.1785



5.8124, 5.8200, 6.1184



10.4713, 5.3936, 0.6970



0.1306, 0.0670, 0.0214

Previews

White Background



This preview shows how the XYZ color 20.7133, 18.6176, 17.8311 looks on a white background.

Color Contrast Check

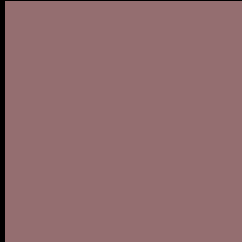
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 20.7133, 18.6176, 17.8311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

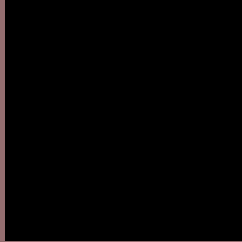
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7133, 18.6176, 17.8311

Background



This preview shows how black text looks on a background with the XYZ color 20.7133, 18.6176, 17.8311.



This preview shows how white text looks on a background with the XYZ color 20.7133, 18.6176,

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

20.7133, 18.6176, 17.8311

Protanopia

17.9761, 18.6890, 19.4895

Deuteranopia

19.1063, 18.7894, 17.6586



Tritanopia

21.1331, 18.6348, 19.6226

Trichromacy



Original Color

20.7133, 18.6176, 17.8311

Protanomaly

18.8556, 18.6341, 18.8226

Deuteranomaly

19.7018, 18.7578, 17.6211

Tritanomaly

21.0155, 18.5878, 19.0032

Monochromacy



Original Color

20.7133, 18.6176, 17.8311

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.1085, 19.0902, 19.8172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7133, 18.6176, 17.8311 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(148, 110, 112)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 112)  
}
```

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(148, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.7133, 18.6176, 17.8311 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(148, 110, 112) }
```


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

```
.border{ border-color:rgb(148, 110, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7133, 18.6176, 17.8311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 112) }
```

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

```
.background{ background-color: rgb(148,  
110, 112) }
```

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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