

Converting Colors

XYZ(11.8111, 10.2262, 9.0220)

Have a look what the booklet for
XYZ(11.8111, 10.2262, 9.0220)
contains.

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Color

**XYZ(11.7878, 10.1681,
8.9308)**

Conversions

Conversions Part 1

Format	Color
Hex	765050
RGB	118, 80, 80
RGB Percent	46%, 31%, 31%
CMY	0.5373, 0.6863, 0.6863
CMYK	0.00, 0.32, 0.32, 0.54
HSL	0°, 19%, 39%
HSV	0°, 32%, 46%
XYZ	11.7878, 10.1681, 8.9308
YIQ	91.3620, 22.6480, 8.0560

Conversions

Conversions Part 2

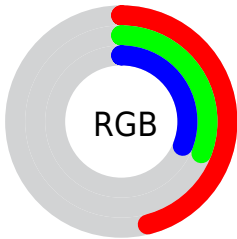
Format	Color
R_{YB}	118, 80, 80
Decimal	7753808
CIE Lab	38.14, 15.97, 6.45
CIE LCh	38, 17.227, 21.995
Yxy	10.1681, 0.3816, 0.3292
Android (android.graphics.Color)	4285943888 (0xFF765050)
YUV	91.3620, -5.6015, 23.3615
Hunter-Lab	31.8875, 10.1828, 5.7157

Details

The XYZ color **11.7878, 10.1681, 8.9308** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.0563, 15.9695, 19.5337**, and the grayscale version is **10.0354, 10.5580, 11.4977**.

A 20% lighter version of the original color is **28.7397, 26.2082, 24.3128**, and **3.3034, 2.5584, 1.9888** is the 20% darker color. If you saturate the color by 10%, you get **10.6002, 8.4304, 6.5696**, and if you desaturate by 10%, it is **13.2043, 12.2409, 11.7464**.

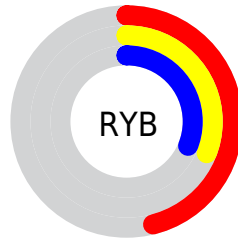
Distribution



Red (46%)

Green (31%)

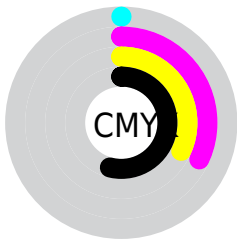
Blue (31%)



Red (46%)

Yellow (31%)

Blue (31%)

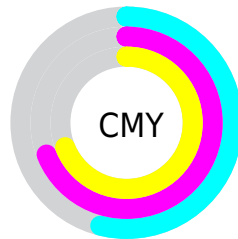


Cyan (0%)

Magenta (32%)

Yellow (32%)

Black (54%)



Cyan (54%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7878, 10.1681, 8.9308 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 11.7878, 10.1681, 8.9308 by changing the saturation by 10% instead.

■ 11.7878, 10.1681,
8.9308

■ 11.7878, 10.1681,
8.9308

196.7941,
191.8676, 193.0599

■ 6.6705, 5.5106,
4.5999

■ 28.7283, 26.1112,
24.3396

■ 3.3014, 2.5498,
1.9599

■ 41.2821, 38.1656,
36.2545

■ 1.3151, 0.9015,
0.5304

■ 57.0456, 53.4543,
51.5345

■ 0.1945, 0.0000,
0.0000

■ 76.3840, 72.3618,
70.5982

■ 0.0000, 0.0000,
0.0000

■ 99.6627, 95.2725,
93.8640

127.2471,

122.5708, 121.7505

159.5024,
154.6410, 154.6763

■ 11.7878, 10.1681,
8.9308

■ 11.7878, 10.1681,
8.9308

■ 10.6002, 8.4304,
6.5696

■ 13.2043, 12.2409,
11.7464

■ 9.6287, 7.0088,
4.6383

■ 14.8599, 14.6635,
15.0378

■ 8.8606, 5.8848,
3.1114


■ 16.7653, 17.4516,
18.8257


■ 8.2814, 5.0373,
1.9601


■ 18.9302, 20.6195,
23.1295


■ 7.8748, 4.4423,
1.1519


■ 21.3638, 24.1805,
27.9676


 7.6215, 4.0716,
0.6484

 24.0750, 28.1476,
33.3574

 7.4712, 3.8517,
0.3497

 27.0720, 32.5330,
39.3156

 30.3629, 37.3485,
45.8580

 33.9554, 42.6052,
53.0001

Harmonies

Analogous

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



11.9425, 10.1681, 11.9471



11.7878, 10.1681, 8.9308



11.0431, 10.1681, 6.9100

Triad

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



11.7878, 10.1681, 8.9308



8.0743, 10.1681, 7.7099



9.3695, 10.1681, 18.3176

Complementary

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



11.7878, 10.1681, 8.9308



13.0563, 15.9695, 19.5337

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.



8.4057, 10.1681, 16.6372



11.7878, 10.1681, 8.9308



7.6963, 10.1681, 10.2395

Square

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



11.7878, 10.1681, 8.9308



8.8849, 10.1681, 6.3051



7.8128, 10.1681, 13.5292



10.4884, 10.1681, 17.7824

Rectangle

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



11.7878, 10.1681, 8.9308



10.3412, 10.1681, 6.2054



7.8128, 10.1681, 13.5292



9.0179, 10.1681, 17.9833

Sweetspot

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



11.7881, 10.1686, 8.9310



26.7483, 26.6899, 27.6729



13.6098, 10.8969, 18.5254



6.0694, 6.0187, 6.2025



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.7881, 10.1686, 8.9310



19.0711, 15.4561, 12.4109



13.3810, 13.3544, 9.4620



3.6840, 3.7009, 3.8625



8.0829, 4.1670, 0.3783



39.3887, 20.3059, 1.8434

Inverse Universe

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



13.0563, 15.9695, 19.5337



21.6879, 27.4253, 34.2875



11.0402, 11.9372, 18.8616



3.7833, 4.1552, 4.6929



10.5453, 15.4302, 20.9651



51.3881, 75.1928, 102.1655

Previews

White Background



This preview shows how the XYZ color 11.7878, 10.1681, 8.9308 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 11.7878, 10.1681, 8.9308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

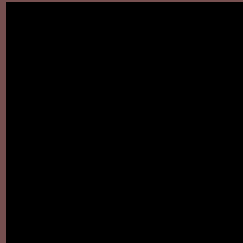
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7878, 10.1681, 8.9308

Background



This preview shows how black text looks on a background with the XYZ color 11.7878, 10.1681, 8.9308.



This preview shows how white text looks on a background with the XYZ color 11.7878, 10.1681,

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

11.7878, 10.1681, 8.9308

Protanopia

9.8101, 10.2954, 10.0645

Deuteranopia

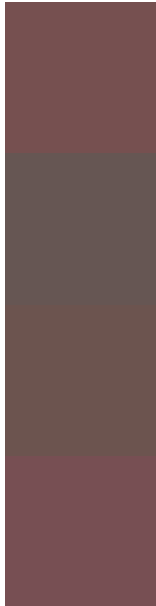
10.4130, 10.2645, 8.8296



Tritanopia

12.0434, 10.1698, 9.9225

Trichromacy



Original Color

11.7878, 10.1681, 8.9308

Protanomaly

10.3686, 10.1049, 9.5876

Deuteranomaly

10.7659, 10.0933, 8.7779

Tritanomaly

11.9651, 10.1384, 9.5099

Monochromacy



Original Color

11.7878, 10.1681, 8.9308

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.4953, 10.2712, 10.4462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7878, 10.1681, 8.9308 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(118, 80, 80)` looks like.

```
.text, #text, p{  
    color:rgb(118, 80, 80)  
}
```

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(118, 80, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 80, 80) }
```

Border

The CSS property to change the border of an element to XYZ 11.7878, 10.1681, 8.9308 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(118, 80, 80) }
```


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

```
.border{ border-color:rgb(118, 80, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 80, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 80, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 80, 80);  
box-shadow:4px 4px 4px 4px rgb(118, 80,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7878, 10.1681, 8.9308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 80, 80) }
```

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

```
.background{ background-color: rgb(118, 80,  
80) }
```

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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