

Converting Colors

XYZ(12.8874, 10.9967, 12.2143)

Have a look what the booklet for
XYZ(12.8874, 10.9967, 12.2143)
contains.

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Color

**XYZ(12.9045, 11.0058,
12.2707)**

Conversions

Conversions Part 1

Format	Color
Hex	78535F
RGB	120, 83, 95
RGB Percent	47%, 33%, 37%
CMY	0.5294, 0.6745, 0.6274
CMYK	0.00, 0.31, 0.21, 0.53
HSL	341°, 18%, 40%
HSV	341°, 31%, 47%
XYZ	12.9045, 11.0058, 12.2707
YIQ	95.4310, 18.2000, 11.5760

Conversions

Conversions Part 2

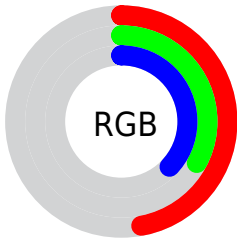
Format	Color
R_{YB}	120, 83, 95
Decimal	7885663
CIE Lab	39.59, 17.37, -0.76
CIE LCh	40, 17.386, 357.495
Yxy	11.0058, 0.3567, 0.3042
Android (android.graphics.Color)	4286075743 (0xFF78535F)
YUV	95.4310, -0.2125, 21.5470
Hunter-Lab	33.1750, 11.3772, 1.2924

Details

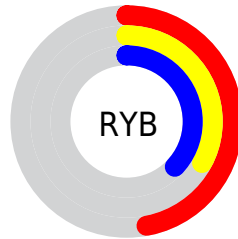
The XYZ color **12.9045, 11.0058, 12.2707** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.9909, 16.3548, 16.6601**, and the grayscale version is **10.9784, 11.5501, 12.5781**.

A 20% lighter version of the original color is **30.7319, 27.7036, 30.5156**, and **3.7417, 2.8470, 3.2580** is the 20% darker color. If you saturate the color by 10%, you get **11.7151, 9.1863, 10.1494**, and if you desaturate by 10%, it is **14.2919, 13.1595, 14.6475**.

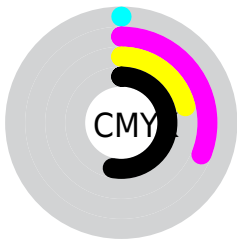
Distribution



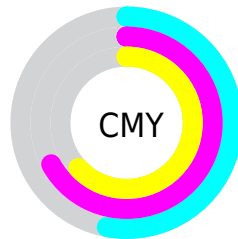
- Red (47%)
- Green (33%)
- Blue (37%)



- Red (47%)
- Yellow (33%)
- Blue (37%)



- Cyan (0%)
- Magenta (31%)
- Yellow (21%)
- Black (53%)



- Cyan (53%)
- Magenta (67%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9045, 11.0058, 12.2707 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 12.9045, 11.0058, 12.2707 by changing the saturation by 10% instead.

■ 12.9045, 11.0058,
12.2707

■ 12.9045, 11.0058,
12.2707

203.9547,
197.7073, 217.2304

■ 7.4394, 6.0707,
6.8035

■ 30.7349, 27.6709,
30.6589

■ 3.7871, 2.8881,
3.2630

■ 43.8308, 40.1697,
44.4171

■ 1.5824, 1.0736,
1.2304

■ 60.2011, 55.9586,
61.7759

■ 0.3809, 0.0000,
0.0037

■ 80.2111, 75.4219,
83.1541

■ 0.0000, 0.0000,
0.0000

■ 104.2260, 98.9440,
108.9701

132.6114,

126.9094, 139.6424

165.7325,
159.7023, 175.5897

■ 12.9045, 11.0058,
12.2707

■ 12.9045, 11.0058,
12.2707

■ 11.7151, 9.1863,
10.1494

■ 14.2919, 13.1595,
14.6475

■ 10.7133, 7.6827,
8.2742

■ 15.8850, 15.6616,
17.2877

■ 9.8893, 6.4771,
6.6357

■ 17.6923, 18.5272,
20.1994

■ 9.2320, 5.5494,
5.2239

■ 19.7216, 21.7702,
23.3903

■ 8.7288, 4.8767,
4.0279

■ 21.9802, 25.4036,
26.8677

■ 8.3655, 4.4325,
3.0357

■ 24.4751, 29.4398,
30.6388

■ 8.1105, 4.1390,
2.2835

■ 27.2129, 33.8908,
34.7104

■ 30.2002, 38.7680,
39.0890

■ 33.4430, 44.0824,
43.7810

Harmonies

Analogous

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



12.5010, 11.0058, 15.8406



12.9045, 11.0058, 12.2707



12.6134, 11.0058, 9.2178

Triad

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



12.9045, 11.0058, 12.2707



9.4442, 11.0058, 7.0795



9.2841, 11.0058, 18.3676

Complementary

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



12.9045, 11.0058, 12.2707



12.9909, 16.3548, 16.6601

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.



8.5680, 11.0058, 15.2534



12.9045, 11.0058, 12.2707



8.6554, 11.0058, 8.8095

Square

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



12.9045, 11.0058, 12.2707



10.5605, 11.0058, 6.5777



8.3467, 11.0058, 11.7007



10.3615, 11.0058, 19.7507

Rectangle

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



12.9045, 11.0058, 12.2707



12.0759, 11.0058, 7.7900



8.3467, 11.0058, 11.7007



8.9964, 11.0058, 17.4628

Sweetspot

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



12.9048, 11.0063, 12.2709



28.4250, 28.3138, 31.1979



12.6277, 10.7104, 19.1710



6.6494, 6.5726, 7.2518



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.9048, 11.0063, 12.2709



21.1817, 17.0342, 18.8966



12.8937, 11.7906, 9.7805



4.0469, 4.0345, 4.4448



8.8421, 4.5130, 2.4592



41.8260, 21.3867, 9.8795

Inverse Universe

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



12.9048, 11.0063, 12.2709



21.1817, 17.0342, 18.8966



12.9563, 15.1924, 20.0188



4.0469, 4.0345, 4.4448



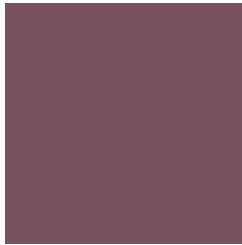
8.8421, 4.5130, 2.4592



41.8260, 21.3867, 9.8795

Previews

White Background



This preview shows how the XYZ color 12.9045, 11.0058, 12.2707 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 12.9045, 11.0058, 12.2707 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 12.9045, 11.0058, 12.2707

Background



This preview shows how black text looks on a background with the XYZ color 12.9045, 11.0058, 12.2707.



This preview shows how white text looks on a background with the XYZ color 12.9045, 11.0058,

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

12.9045, 11.0058, 12.2707

Protanopia

10.7775, 11.0954, 13.8855

Deuteranopia

11.2410, 11.1151, 12.1426



Tritanopia

12.6235, 11.0008, 11.1309

Trichromacy



Original Color

12.9045, 11.0058, 12.2707

Protanomaly

11.4180, 10.9292, 13.3121

Deuteranomaly

11.8168, 11.0388, 12.0976

Tritanomaly

12.7098, 11.0353, 11.5854

Monochromacy



Original Color

12.9045, 11.0058, 12.2707

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.5156, 11.2515, 12.3913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9045, 11.0058, 12.2707 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(120, 83, 95)` looks like.

```
.text, #text, p{  
    color:rgb(120, 83, 95)  
}
```

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(120, 83, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 83, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.9045, 11.0058, 12.2707 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(120, 83, 95) }
```


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

```
.border{ border-color:rgb(120, 83, 95) }
```

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

Here you see how a box with a 4 pixel rgb(120, 83, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 83, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 83, 95);  
box-shadow:4px 4px 4px 4px rgb(120, 83,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9045, 11.0058, 12.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 83, 95) }
```

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

```
.background{ background-color: rgb(120, 83,  
95) }
```

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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