

Converting Colors

XYZ(12.8945, 11.3773, 11.0563)

Have a look what the booklet for
XYZ(12.8945, 11.3773, 11.0563)
contains.

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Color

**XYZ(12.8767, 11.3699,
10.9671)**

Conversions

Conversions Part 1

Format	Color
Hex	785659
RGB	120, 86, 89
RGB Percent	47%, 34%, 35%
CMY	0.5294, 0.6627, 0.6510
CMYK	0.00, 0.28, 0.26, 0.53
HSL	355°, 17%, 40%
HSV	355°, 28%, 47%
XYZ	12.8767, 11.3699, 10.9671
YIQ	96.5080, 19.3010, 8.1410

Conversions

Conversions Part 2

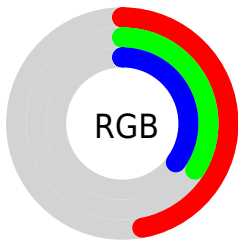
Format	Color
R_{YB}	120, 86, 89
Decimal	7886425
CIE _{Lab}	40.20, 14.57, 3.84
CIE _{LCh}	40, 15.068, 14.747
Yxy	11.3699, 0.3657, 0.3229
Android (android.graphics.Color)	4286076505 (0xFF785659)
YUV	96.5080, -3.7014, 20.6025
Hunter-Lab	33.7193, 9.1567, 4.3196

Details

The XYZ color **12.8767, 11.3699, 10.9671** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.7656, 16.6960, 19.3276**, and the grayscale version is **11.2475, 11.8333, 12.8864**.

A 20% lighter version of the original color is **30.6979, 28.3566, 28.2815**, and **3.7392, 3.0015, 2.7651** is the 20% darker color. If you saturate the color by 10%, you get **11.5720, 9.4419, 8.4313**, and if you desaturate by 10%, it is **14.4112, 13.6480, 13.9168**.

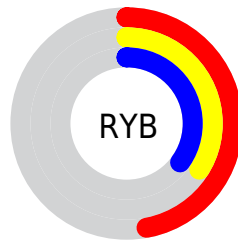
Distribution



Red (47%)

Green (34%)

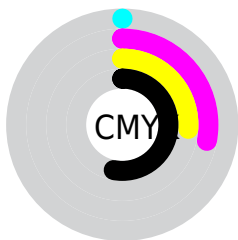
Blue (35%)



Red (47%)

Yellow (34%)

Blue (35%)

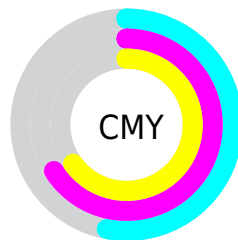


Cyan (0%)

Magenta (28%)

Yellow (26%)

Black (53%)



Cyan (53%)

Magenta (66%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8767, 11.3699, 10.9671 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 12.8767, 11.3699, 10.9671 by changing the saturation by 10% instead.

■ 12.8767, 11.3699,
10.9671

■ 12.8767, 11.3699,
10.9671

203.7795,
200.1880, 208.1710

■ 7.4201, 6.3162,
5.9308

■ 30.6853, 28.3422,
28.2350

■ 3.7748, 3.0383,
2.7350

■ 43.7680, 41.0296,
41.3038

■ 1.5756, 1.1518,
0.9609

■ 60.1235, 57.0303,
57.8871

■ 0.3764, 0.0218,
0.0000

■ 80.1171, 76.7288,
78.4035

■ 0.0000, 0.0000,
0.0000

■ 104.1141,
100.5094, 103.2715

132.4800,

128.7565, 132.9098

165.5800,
161.8546, 167.7368

■ 12.8767, 11.3699,
10.9671

■ 12.8767, 11.3699,
10.9671

■ 11.5720, 9.4419,
8.4313

■ 14.4112, 13.6480,
13.9168

■ 10.4852, 7.8453,
6.2902

■ 16.1849, 16.2908,
17.2970

■ 9.6046, 6.5618,
4.5241

■ 18.2078, 19.3138,
21.1243

■ 8.9171, 5.5708,
3.1114

■ 20.4890, 22.7312,
25.4142

■ 8.4082, 4.8492,
2.0283

■ 23.0371, 26.5566,
30.1815

■ 8.0610, 4.3705,
1.2478

■ 25.8604, 30.8028,
35.4401

■ 7.8364, 4.0641,
0.7324

■ 28.9669, 35.4821,
41.2037

■ 7.8038, 4.0163,
0.6679

■ 32.3641, 40.6062,
47.4852

■ 36.0593, 46.1866,
54.2971

Harmonies

Analogous

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



12.8715, 11.3699, 13.9624



12.8767, 11.3699, 10.9671



12.3033, 11.3699, 8.7428

Triad

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



12.8767, 11.3699, 10.9671



9.4483, 11.3699, 8.7142



10.2848, 11.3699, 18.8300

Complementary

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



12.8767, 11.3699, 10.9671



13.7656, 16.6960, 19.3276

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.



9.4368, 11.3699, 16.9072



12.8767, 11.3699, 10.9671



8.9755, 11.3699, 10.9217

Square

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



12.8767, 11.3699, 10.9671



10.3015, 11.3699, 7.5923



8.9714, 11.3699, 13.9091



11.3283, 11.3699, 18.8474

Rectangle

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



12.8767, 11.3699, 10.9671



11.6901, 11.3699, 7.8564



8.9714, 11.3699, 13.9091



9.9690, 11.3699, 18.3728

Sweetspot

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



12.8770, 11.3704, 10.9673



28.5113, 28.7197, 30.5078



14.0008, 11.7664, 19.3027



6.6556, 6.6552, 7.0377



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.



12.8770, 11.3704, 10.9673



21.1112, 17.7251, 16.3086



13.9447, 13.7032, 10.7147



4.0113, 4.0203, 4.2574



8.5107, 4.3804, 0.7141



40.4554, 20.8385, 2.6622

Inverse Universe

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



12.8770, 11.3704, 10.9673



21.1112, 17.7251, 16.3086



12.4237, 13.7257, 19.7640



4.0113, 4.0203, 4.2574



8.5107, 4.3804, 0.7141



40.4554, 20.8385, 2.6622

Previews

White Background



This preview shows how the XYZ color 12.8767, 11.3699, 10.9671 looks on a white background.

Color Contrast Check

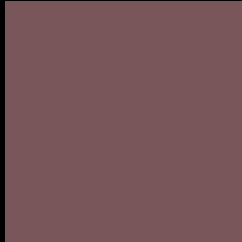
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8767, 11.3699, 10.9671 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 12.8767, 11.3699, 10.9671

Background



This preview shows how black text looks on a background with the XYZ color 12.8767, 11.3699, 10.9671.



This preview shows how white text looks on a background with the XYZ color 12.8767, 11.3699,

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

12.8767, 11.3699, 10.9671

Protanopia

11.0424, 11.5340, 12.2340

Deuteranopia

11.6520, 11.4847, 10.8352



Tritanopia

13.0053, 11.4214, 11.6443

Trichromacy



Original Color

12.8767, 11.3699, 10.9671

Protanomaly

11.5846, 11.4303, 11.7209

Deuteranomaly

12.0997, 11.4617, 10.8071

Tritanomaly

12.9618, 11.4040, 11.4156

Monochromacy



Original Color

12.8767, 11.3699, 10.9671

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7604, 11.6401, 12.2166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8767, 11.3699, 10.9671 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, 86, 89)` looks like.

```
.text, #text, p{  
    color:rgb(120, 86, 89)  
}
```

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, 86, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 86, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.8767, 11.3699, 10.9671 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, 86, 89) }
```


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

```
.border{ border-color:rgb(120, 86, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 86, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 86, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 86, 89);  
box-shadow:4px 4px 4px 4px rgb(120, 86,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8767, 11.3699, 10.9671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 86, 89) }
```

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

```
.background{ background-color: rgb(120, 86,  
89) }
```

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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