

Converting Colors

XYZ(12.5973, 11.0246, 9.6951)

Have a look what the booklet for
XYZ(12.5973, 11.0246, 9.6951)
contains.

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Color

**XYZ(12.6168, 11.0301,
9.6477)**

Conversions

Conversions Part 1

Format	Color
Hex	795453
RGB	121, 84, 83
RGB Percent	47%, 33%, 33%
CMY	0.5255, 0.6706, 0.6745
CMYK	0.00, 0.31, 0.31, 0.53
HSL	2°, 19%, 40%
HSV	2°, 31%, 47%
XYZ	12.6168, 11.0301, 9.6477
YIQ	94.9490, 22.3730, 7.5330

Conversions

Conversions Part 2

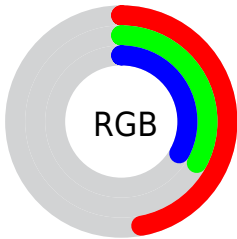
Format	Color
R _Y B	121, 84, 83
Decimal	7951443
CIE Lab	39.63, 15.27, 6.75
CIE LCh	40, 16.696, 23.857
Yxy	11.0301, 0.3789, 0.3313
Android (android.graphics.Color)	4286141523 (0xFF795453)
YUV	94.9490, -5.8909, 22.8467
Hunter-Lab	33.2116, 9.6903, 6.0248

Details

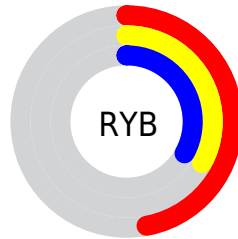
The XYZ color **12.6168, 11.0301, 9.6477** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.7348, 16.6519, 20.5794**, and the grayscale version is **10.8751, 11.4415, 12.4598**.

A 20% lighter version of the original color is **30.1455, 27.7148, 25.5904**, and **3.6415, 2.8658, 2.1949** is the 20% darker color. If you saturate the color by 10%, you get **11.3511, 9.1821, 7.1186**, and if you desaturate by 10%, it is **14.1185, 13.2194, 12.6580**.

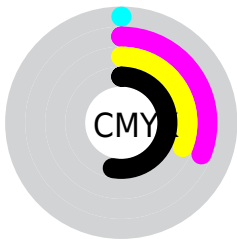
Distribution



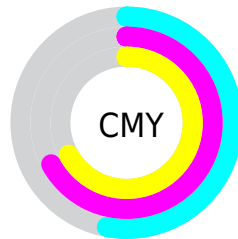
- Red (47%)
- Green (33%)
- Blue (33%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6168, 11.0301, 9.6477 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 12.6168, 11.0301, 9.6477 by changing the saturation by 10% instead.

■ 12.6168, 11.0301,
9.6477

■ 12.6168, 11.0301,
9.6477

202.1346,
197.8739, 198.5314

■ 7.2404, 6.0871,
5.0635

■ 30.2208, 27.7158,
25.7281

■ 3.6605, 2.8981,
2.2252

■ 43.1791, 40.2273,
38.0613

■ 1.5119, 1.0788,
0.6888

■ 59.3954, 56.0304,
53.8146

■ 0.3339, 0.0000,
0.0000

■ 79.2351, 75.5095,
73.4066

■ 0.0000, 0.0000,
0.0000

■ 103.0635, 99.0490,
97.2557

131.2460,

127.0333, 125.7805

164.1479,
159.8468, 159.3996

■ 12.6168, 11.0301,
9.6477

■ 12.6168, 11.0301,
9.6477

■ 11.3511, 9.1821,
7.1186

■ 14.1185, 13.2194,
12.6580

■ 10.3085, 7.6568,
5.0452

■ 15.8664, 15.7643,
16.1720

■ 9.4764, 6.4361,
3.4006


■ 17.8711, 18.6802,
20.2114


■ 8.8405, 5.4996,
2.1548


■ 20.1424, 21.9812,
24.7966


■ 8.3846, 4.8243,
1.2739


■ 22.6897, 25.6805,
29.9470


 8.0902, 4.3838,
0.7185

 25.5217, 29.7908,
35.6807

 7.9198, 4.1342,
0.3806

 28.6469, 34.3243,
42.0153

 32.0733, 39.2925,
48.9675

 35.8088, 44.7067,
56.5536

Harmonies

Analogous

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



12.8153, 11.0301, 12.6936



12.6168, 11.0301, 9.6477



11.8292, 11.0301, 7.6238

Triad

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



12.6168, 11.0301, 9.6477



8.8129, 11.0301, 8.6776



10.2512, 11.0301, 19.3870

Complementary

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



12.6168, 11.0301, 9.6477



13.7348, 16.6519, 20.5794

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.



9.2445, 11.0301, 17.8199



12.6168, 11.0301, 9.6477



8.4537, 11.0301, 11.3512

Square

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



12.6168, 11.0301, 9.6477



9.6228, 11.0301, 7.1388



8.6058, 11.0301, 14.7293



11.3947, 11.0301, 18.7073

Rectangle

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



12.6168, 11.0301, 9.6477



11.1045, 11.0301, 6.9367



8.6058, 11.0301, 14.7293



9.8866, 11.0301, 19.0977

Sweetspot

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



12.6171, 11.0306, 9.6479



29.1550, 29.3101, 30.4547



14.3910, 11.6166, 19.3700



6.5722, 6.5648, 6.7739



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.



12.6171, 11.0306, 9.6479



20.8454, 17.2005, 13.7821



14.2604, 14.3173, 10.1957



4.0060, 4.0304, 4.1913



8.4859, 4.4277, 0.4074



40.3803, 20.9241, 1.9105

Inverse Universe

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



13.7348, 16.6519, 20.5794



23.1947, 29.0203, 36.7719



11.7080, 12.5983, 19.9038



4.0984, 4.4952, 5.0948



10.6157, 15.3138, 21.7816



50.5346, 72.8419, 103.8662

Previews

White Background



This preview shows how the XYZ color 12.6168, 11.0301, 9.6477 looks on a white background.

Color Contrast Check

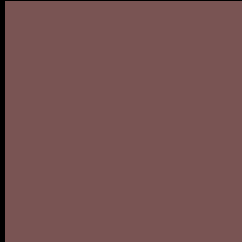
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6168, 11.0301, 9.6477 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 12.6168, 11.0301, 9.6477

Background



This preview shows how black text looks on a background with the XYZ color 12.6168, 11.0301, 9.6477.



This preview shows how white text looks on a background with the XYZ color 12.6168, 11.0301,

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

12.6168, 11.0301, 9.6477

Protanopia

10.6056, 11.0747, 10.8112

Deuteranopia

11.2426, 11.0473, 9.5224



Tritanopia

12.9225, 11.0454, 10.9021

Trichromacy



Original Color

12.6168, 11.0301, 9.6477

Protanomaly

11.2797, 11.0484, 10.3421

Deuteranomaly

11.6948, 11.0334, 9.4959

Tritanomaly

12.8396, 11.0122, 10.4657

Monochromacy



Original Color

12.6168, 11.0301, 9.6477

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3383, 11.1806, 11.4580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6168, 11.0301, 9.6477 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(121, 84, 83)` looks like.

```
.text, #text, p{  
    color:rgb(121, 84, 83)  
}
```

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(121, 84, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 84, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.6168, 11.0301, 9.6477 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(121, 84, 83) }
```


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

```
.border{ border-color:rgb(121, 84, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 84, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 84, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 84, 83);  
box-shadow:4px 4px 4px 4px rgb(121, 84,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6168, 11.0301, 9.6477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 84, 83) }
```

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

```
.background{ background-color: rgb(121, 84,  
83) }
```

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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