

Converting Colors

XYZ(12.0094, 10.0102, 6.7680)

Have a look what the booklet for
XYZ(12.0094, 10.0102, 6.7680)
contains.

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Color

**XYZ(12.0094, 10.0102,
6.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4D44
RGB	124, 77, 68
RGB Percent	49%, 30%, 27%
CMY	0.5137, 0.6980, 0.7333
CMYK	0.00, 0.38, 0.45, 0.51
HSL	10°, 29%, 38%
HSV	10°, 45%, 49%
XYZ	12.0094, 10.0102, 6.7680
YIQ	90.0270, 30.9010, 7.1650

Conversions

Conversions Part 2

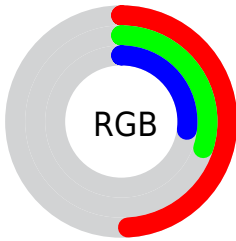
Format	Color
RYB	124, 79, 68
Decimal	8146244
CIELab	37.86, 18.74, 13.64
CIELCh	38, 23.177, 36.046
Yxy	10.0102, 0.4172, 0.3477
Android (android.graphics.Color)	4286336324 (0xFF7C4D44)
YUV	90.0270, -10.8593, 29.7943
Hunter-Lab	31.6389, 12.3864, 9.4643

Details

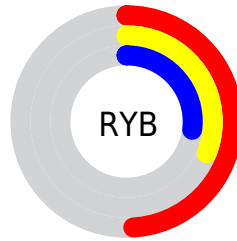
The XYZ color **12.0094, 10.0102, 6.7680** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.1523, 14.9448, 21.3128**, and the grayscale version is **9.7432, 10.2506, 11.1630**.

A 20% lighter version of the original color is **28.9733, 25.6476, 19.9464**, and **3.4396, 2.5197, 1.2248** is the 20% darker color. If you saturate the color by 10%, you get **10.9995, 8.5333, 4.7577**, and if you desaturate by 10%, it is **13.2164, 11.7532, 9.2392**.

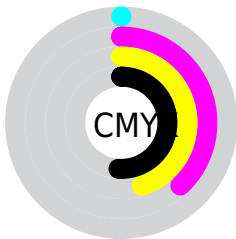
Distribution



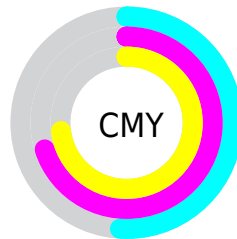
- Red (49%)
- Green (30%)
- Blue (27%)



- Red (49%)
- Yellow (31%)
- Blue (27%)



- Cyan (0%)
- Magenta (38%)
- Yellow (45%)
- Black (51%)



- Cyan (51%)
- Magenta (70%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0094, 10.0102, 6.7680 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 12.0094, 10.0102, 6.7680 by changing the saturation by 10% instead.

■ 12.0094, 10.0102,
6.7680

■ 12.0094, 10.0102,
6.7680

198.2362,
190.7448, 175.2789

■ 6.8223, 5.4057,
3.2412

■ 29.1289, 25.8147,
20.0098

■ 3.3966, 2.4872,
1.2191

■ 41.7921, 37.7835,
30.5619

■ 1.3668, 0.8702,
0.0000

■ 57.6780, 52.9758,
44.2928

■ 0.2324, 0.0000,
0.0000

■ 77.1520, 71.7761,
61.6211

■ 0.0000, 0.0000,
0.0000

■ 100.5795, 94.5688,
82.9653

128.3258,

121.7382, 108.7440

160.7562,
153.6688, 139.3757

■ 12.0094, 10.0102,
6.7680

■ 12.0094, 10.0102,
6.7680

■ 10.9995, 8.5333,
4.7577

■ 13.2164, 11.7532,
9.2392

■ 10.1753, 7.3079,
3.1791

■ 14.6296, 13.7729,
12.1970

■ 9.5254, 6.3201,
2.0005

■ 16.2583, 16.0813,
15.6657

■ 9.0368, 5.5545,
1.1854

■ 18.1112, 18.6891,
19.6681

■ 8.6920, 4.9923,
0.6778

■ 20.1963, 21.6066,
24.2252

■ 8.5611, 4.7831,
0.4720

■ 22.5214, 24.8435,
29.3573

■ 25.0938, 28.4091,
35.0833

■ 27.9206, 32.3124,
41.4216

■ 31.0085, 36.5619,
48.3895

Harmonies

Analogous

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



12.6388, 10.0102, 10.0623



12.0094, 10.0102, 6.7680



10.7189, 10.0102, 5.0131

Triad

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



12.0094, 10.0102, 6.7680



7.1406, 10.0102, 7.9104



9.8177, 10.0102, 21.1959

Complementary

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



12.0094, 10.0102, 6.7680



12.1523, 14.9448, 21.3128

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.



8.4037, 10.0102, 20.1879



12.0094, 10.0102, 6.7680



6.9527, 10.0102, 11.7817

Square

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



12.0094, 10.0102, 6.7680



7.9342, 10.0102, 5.5429



7.3914, 10.0102, 16.4413



11.2916, 10.0102, 18.9191

Rectangle

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



12.0094, 10.0102, 6.7680



9.7123, 10.0102, 4.6168



7.3914, 10.0102, 16.4413



9.3192, 10.0102, 21.2363

Sweetspot

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



12.0097, 10.0107, 6.7682



28.8660, 28.6595, 28.1156



13.5084, 9.6710, 17.5559



6.6676, 6.5651, 6.3412



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.0097, 10.0107, 6.7682



19.3373, 14.9881, 8.3345



14.3462, 14.6837, 7.5470



4.0456, 4.1096, 4.2045



8.7019, 4.8597, 0.4794



41.0868, 22.3371, 2.1460

Inverse Universe

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



12.1523, 14.9448, 21.3128



19.6060, 24.7877, 37.3078



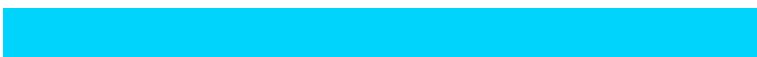
9.4790, 9.5982, 20.4217



4.0548, 4.4080, 5.0803



8.7359, 11.5542, 21.1551



41.1511, 54.0748, 100.7384

Previews

White Background



This preview shows how the XYZ color 12.0094, 10.0102, 6.7680 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 ✓ Pass

Black Background



This preview shows how the XYZ color 12.0094, 10.0102, 6.7680 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 12.0094, 10.0102, 6.7680

Background



This preview shows how black text looks on a background with the XYZ color 12.0094, 10.0102, 6.7680.

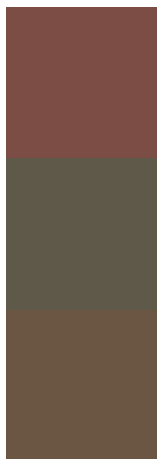


This preview shows how white text looks on a background with the XYZ color 12.0094, 10.0102,

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

12.0094, 10.0102, 6.7680

Protanopia

9.5277, 10.0721, 7.9205

Deuteranopia

10.2550, 10.1131, 6.5658



Tritanopia

12.4587, 9.9862, 9.0555

Trichromacy



Original Color

12.0094, 10.0102, 6.7680

Protanomaly

10.3621, 10.0291, 7.5206

Deuteranomaly

10.9164, 10.1025, 6.6848

Tritanomaly

12.3464, 10.0507, 8.1267

Monochromacy



Original Color

12.0094, 10.0102, 6.7680

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.2510, 9.9310, 9.3592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0094, 10.0102, 6.7680 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(124, 77, 68)` looks like.

```
.text, #text, p{  
    color:rgb(124, 77, 68)  
}
```

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(124, 77, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 77, 68) }
```

Border

The CSS property to change the border of an element to XYZ 12.0094, 10.0102, 6.7680 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(124, 77, 68) }
```


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

```
.border{ border-color:rgb(124, 77, 68) }
```

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

Here you see how a box with a 4 pixel rgb(124, 77, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 77, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 77, 68);  
box-shadow:4px 4px 4px 4px rgb(124, 77,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0094, 10.0102, 6.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 77, 68) }
```

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

```
.background{ background-color: rgb(124, 77,  
68) }
```

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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