

Converting Colors

XYZ(13.1294, 12.8397, 5.7758)

Have a look what the booklet for
XYZ(13.1294, 12.8397, 5.7758)
contains.

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Color

**XYZ(13.1150, 12.8822,
5.7983)**

Conversions

| Conversions Part 1 | |
|--------------------|---------------------------|
| Format | Color |
| Hex | 7B603A |
| RGB | 123, 96, 58 |
| RGB Percent | 48%, 38%, 23% |
| CMY | 0.5176, 0.6235, 0.7725 |
| CMYK | 0.00, 0.22, 0.53, 0.52 |
| HSL | 35°, 36%, 35% |
| HSV | 35°, 53%, 48% |
| XYZ | 13.1150, 12.8822, 5.7983 |
| YIQ | 99.7410, 28.2900, -6.0940 |

Conversions

Conversions Part 2

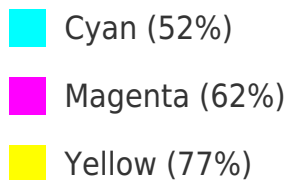
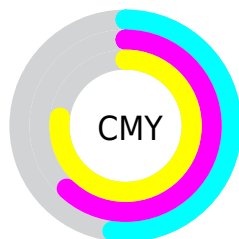
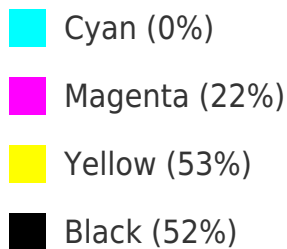
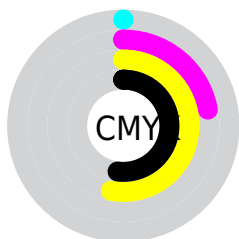
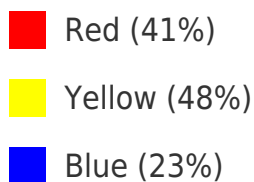
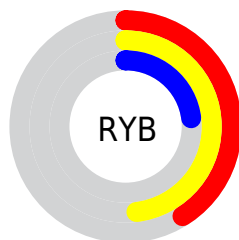
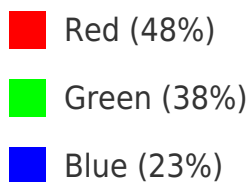
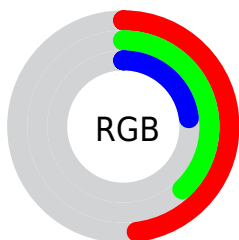
| Format | Color |
|-------------------------------------|--|
| RYB | 104, 123, 58 |
| Decimal | 8085562 |
| CIELab | 42.59, 5.85, 25.76 |
| CIELCh | 43, 26.420, 77.207 |
| Yxy | 12.8822, 0.4125, 0.4052 |
| Android (android.graphics.Color) | 4286275642 (0xFF7B603A) |
| YUV | 99.7410, -20.5783, 20.3981 |
| Hunter-Lab | 35.8918, 2.4140, 15.5460 |

Details

The XYZ color **13.1150, 12.8822, 5.7983** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.5685, 8.8263, 19.9909**, and the grayscale version is **12.0931, 12.7229, 13.8552**.

A 20% lighter version of the original color is **31.0119, 30.9455, 17.9742**, and **3.8924, 3.6906, 0.9227** is the 20% darker color. If you saturate the color by 10%, you get **12.3877, 11.8700, 4.1923**, and if you desaturate by 10%, it is **13.9480, 13.9861, 7.8088**.

Distribution





Brightness & Saturation

Gradients


These gradients show how the XYZ color 13.1150, 12.8822, 5.7983 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 13.1150, 12.8822, 5.7983 by changing the saturation by 10% instead.


 13.1150, 12.8822,
5.7983


 13.1150, 12.8822,
5.7983


205.2761,
210.1613, 166.5004


 7.5853, 7.3475,
2.6560


 31.1098, 31.0920,
17.9812


 3.8803, 3.6803,
0.9212

 44.3056, 44.5358,
27.8589

 1.6347, 1.4964,
0.0000

 60.7876, 61.3849,
40.8187

 0.4148, 0.2862,
0.0000

 80.9209, 82.0235,
57.2794

 0.0000, 0.0000,
0.0000

 105.0711,
106.8360, 77.6593

 133.6035,

136.2069, 102.3771

166.8834,
170.5205, 131.8513

■ 13.1150, 12.8822,
5.7983

■ 13.1150, 12.8822,
5.7983

■ 12.3877, 11.8700,
4.1923

■ 13.9480, 13.9861,
7.8088

■ 11.7593, 10.9445,
2.9612

■ 14.8912, 15.1830,
10.2489

■ 11.2232, 10.1025,
2.0729

■ 15.9499, 16.4763,
13.1426

■ 10.7714, 9.3399,
1.4878

■ 17.1288, 17.8688,
16.5118

■ 10.4801, 8.8344,
1.1529

■ 18.4324, 19.3630,
20.3770

■ 19.8646, 20.9614,
24.7576

■ 21.4295, 22.6663,
29.6718

■ 23.1308, 24.4801,
35.1370

■ 24.9721, 26.4049,
41.1698

Harmonies

Analogous

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



15.0449, 12.8822, 7.4009



13.1150, 12.8822, 5.7983



11.1421, 12.8822, 5.9209

Triad

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



13.1150, 12.8822, 5.7983



8.9277, 12.8822, 17.5409



15.2863, 12.8822, 22.9111

Complementary

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



13.1150, 12.8822, 5.7983



8.5685, 8.8263, 19.9909

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.



13.4166, 12.8822, 27.3860



13.1150, 12.8822, 5.7983



9.8145, 12.8822, 23.7525

Square

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



13.1150, 12.8822, 5.7983



8.8658, 12.8822, 11.7278



11.4127, 12.8822, 27.7301



16.3872, 12.8822, 16.6076

Rectangle

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



13.1150, 12.8822, 5.7983



10.0642, 12.8822, 6.9598



11.4127, 12.8822, 27.7301



14.7182, 12.8822, 24.7456

Sweetspot

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



13.1153, 12.8828, 5.7986



29.8991, 31.0929, 27.3274



11.3245, 7.8944, 9.5388



6.9582, 7.2244, 6.1968



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.



13.1153, 12.8828, 5.7986



21.9793, 20.9630, 7.0856



15.2615, 18.2939, 6.7299



4.1748, 4.3680, 4.2476



10.8362, 9.1283, 1.1908



50.8349, 41.8332, 5.3953

Inverse Universe

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



8.5685, 8.8263, 19.9909



12.9322, 12.9045, 35.3658



7.1650, 5.5269, 19.4280



3.9217, 4.1417, 5.0359



4.9219, 3.9262, 19.8837



22.6787, 17.1300, 94.5809

Previews

White Background



This preview shows how the XYZ color 13.1150, 12.8822, 5.7983 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 13.1150, 12.8822, 5.7983 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 13.1150, 12.8822, 5.7983

Background



This preview shows how black text looks on a background with the XYZ color 13.1150, 12.8822, 5.7983.



This preview shows how white text looks on a background with the XYZ color 13.1150, 12.8822,

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

13.1150, 12.8822, 5.7983

Protanopia

11.8997, 12.9486, 6.1471

Deuteranopia

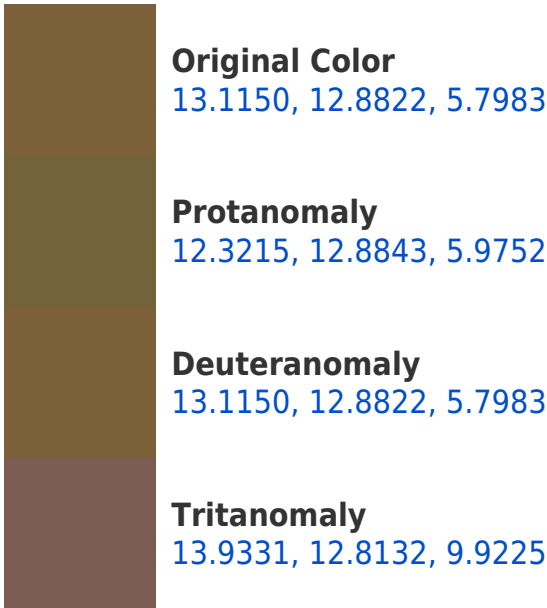
13.1150, 12.8822, 5.7983



Tritanopia

14.5499, 12.7996, 13.2590

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1150, 12.8822, 5.7983 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(123, 96, 58) looks like.

```
.text, #text, p{  
    color:rgb(123, 96, 58)  
}
```

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(123, 96, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 96, 58) }
```

Border

The CSS property to change the border of an element to XYZ 13.1150, 12.8822, 5.7983 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(123, 96, 58) }
```


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

```
.border{ border-color:rgb(123, 96, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 96, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 96, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 96, 58);  
box-shadow:4px 4px 4px 4px rgb(123, 96,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1150, 12.8822, 5.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 96, 58) }
```

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

```
.background{ background-color: rgb(123, 96,  
58) }
```

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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