

Converting Colors

XYZ(12.0903, 12.1006, 13.4997)

Have a look what the booklet for
XYZ(12.0903, 12.1006, 13.4997)
contains.

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Color

**XYZ(12.0533, 12.0283,
13.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	685F63
RGB	104, 95, 99
RGB Percent	41%, 37%, 39%
CMY	0.5922, 0.6274, 0.6118
CMYK	0.00, 0.09, 0.05, 0.59
HSL	333°, 5%, 39%
HSV	333°, 9%, 41%
XYZ	12.0533, 12.0283, 13.4908
YIQ	98.1470, 4.0800, 3.1520

Conversions

Conversions Part 2

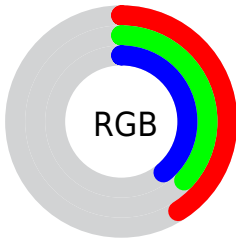
Format	Color
RYB	104, 95, 99
Decimal	6840163
CIELab	41.26, 4.39, -0.98
CIELCh	41, 4.497, 347.408
Yxy	12.0283, 0.3208, 0.3201
Android (android.graphics.Color)	4285030243 (0xFF685F63)
YUV	98.1470, 0.4205, 5.1331
Hunter-Lab	34.6818, 1.3425, 1.2142

Details

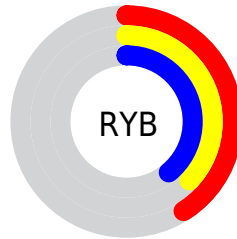
The XYZ color **12.0533, 12.0283, 13.4908** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9704, 13.2540, 13.9847**, and the grayscale version is **11.6446, 12.2510, 13.3414**.

A 20% lighter version of the original color is **29.1480, 29.4214, 32.9968**, and **3.4283, 3.3235, 3.8290** is the 20% darker color. If you saturate the color by 10%, you get **10.9119, 10.1719, 11.7957**, and if you desaturate by 10%, it is **13.3402, 14.1438, 15.3323**.

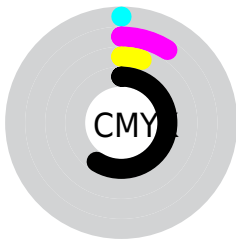
Distribution



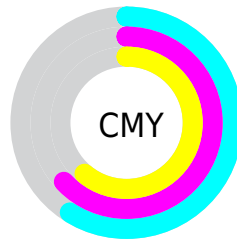
- Red (41%)
- Green (37%)
- Blue (39%)



- Red (41%)
- Yellow (37%)
- Blue (39%)



- Cyan (0%)
- Magenta (9%)
- Yellow (5%)
- Black (59%)



- Cyan (59%)
- Magenta (63%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0533, 12.0283, 13.4908 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 12.0533, 12.0283, 13.4908 by changing the saturation by 10% instead.

■ 12.0533, 12.0283,
13.4908

■ 12.0533, 12.0283,
13.4908

198.5205,
204.5926, 225.3568

■ 6.8524, 6.7630,
7.6327

■ 29.2082, 29.5466,
32.8868

■ 3.4155, 3.3143,
3.7764

■ 41.8929, 42.5684,
47.2617

■ 1.3771, 1.2979,
1.5035

■ 57.8029, 58.9445,
65.3127

■ 0.2398, 0.1396,
0.2205

■ 77.3036, 79.0592,
87.4582

■ 0.0000, 0.0000,
0.0000

100.7604,
103.2970, 114.1169

128.5386,

132.0422, 145.7072

161.0035,
165.6792, 182.6476

■ 12.0533, 12.0283,
13.4908

■ 12.0533, 12.0283,
13.4908

■ 10.9119, 10.1719,
11.7957

■ 13.3402, 14.1438,
15.3323

■ 9.9098, 8.5631,
10.2424

■ 14.7767, 16.5264,
17.3230

■ 9.0415, 7.1917,
8.8272

■ 16.3679, 19.1856,
19.4668

■ 8.3010, 6.0463,
7.5459

■ 18.1185, 22.1298,
21.7670

■ 7.6818, 5.1145,
6.3941

■ 20.0327, 25.3672,
24.2268

7.1766, 4.3827,
5.3670

22.1148, 28.9059,
26.8496

6.7776, 3.8358,
4.4595

24.3689, 32.7532,
29.6382

6.4754, 3.4562,
3.6660

26.7988, 36.9164,
32.5958

6.2371, 3.1787,
2.9729

29.4084, 41.4027,
35.7251

Harmonies

Analogous

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



11.8988, 12.0283, 14.3457



12.0533, 12.0283, 13.4908



12.0392, 12.0283, 12.5686

Triad

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



12.0533, 12.0283, 13.4908



11.2466, 12.0283, 11.4623



11.0148, 12.0283, 14.4590

Complementary

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



12.0533, 12.0283, 13.4908



11.9704, 13.2540, 13.9847

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.



10.8466, 12.0283, 13.6395



12.0533, 12.0283, 13.4908



10.9786, 12.0283, 11.9226

Square

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



12.0533, 12.0283, 13.4908



11.5693, 12.0283, 11.4267



10.8335, 12.0283, 12.7105



11.2969, 12.0283, 14.9221

Rectangle

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



12.0533, 12.0283, 13.4908



11.9361, 12.0283, 12.0394



10.8335, 12.0283, 12.7105



10.9433, 12.0283, 14.2143

Sweetspot

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



12.0536, 12.0288, 13.4911



22.3715, 23.1122, 25.4350



11.8414, 11.8909, 14.7681



5.4202, 5.5765, 6.1513



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.0536, 12.0288, 13.4911



20.8032, 20.5420, 23.1666



11.9078, 12.0355, 12.5225



2.8753, 2.8648, 3.2157



7.6346, 3.8668, 3.4743



39.3913, 19.9965, 15.8699

Inverse Universe

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



12.0536, 12.0288, 13.4911



20.8032, 20.5420, 23.1666



12.1236, 13.2431, 15.0142



2.8753, 2.8648, 3.2157



7.6346, 3.8668, 3.4743



39.3913, 19.9965, 15.8699

Previews

White Background



This preview shows how the XYZ color 12.0533, 12.0283, 13.4908 looks on a white background.

Color Contrast Check

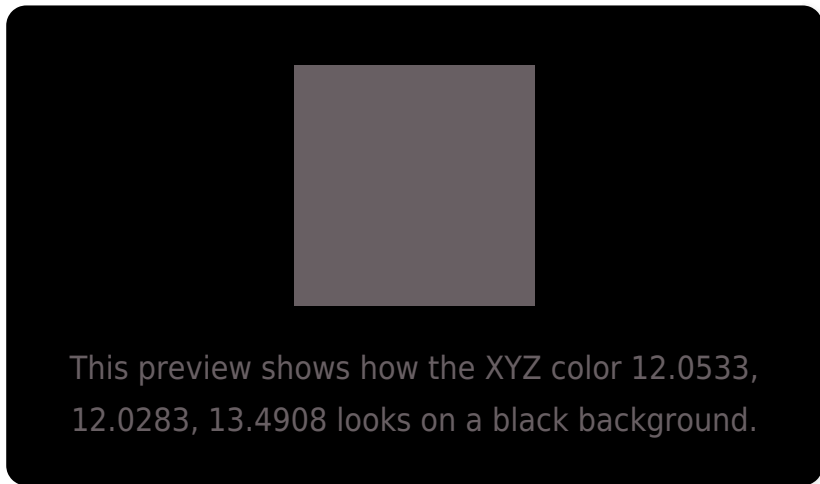
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.0533, 12.0283, 13.4908

Background



This preview shows how black text looks on a background with the XYZ color 12.0533, 12.0283, 13.4908.



This preview shows how white text looks on a background with the XYZ color 12.0533, 12.0283,

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

12.0533, 12.0283, 13.4908

Protanopia

11.6119, 12.0662, 13.7736

Deuteranopia

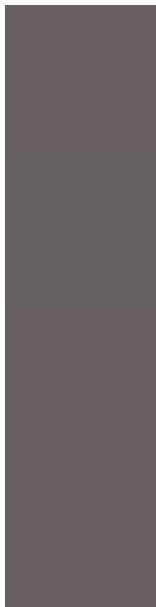
12.1987, 11.9704, 13.4720



Tritanopia

12.1994, 12.0868, 14.2604

Trichromacy



Original Color

12.0533, 12.0283, 13.4908

Protanomaly

11.7387, 11.9952, 13.7532

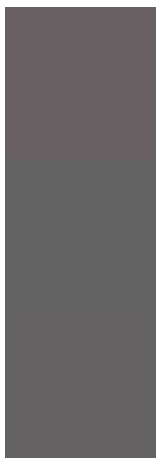
Deuteranomaly

12.0805, 11.9095, 13.4664

Tritanomaly

12.1501, 12.0671, 14.0007

Monochromacy



Original Color

12.0533, 12.0283, 13.4908

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7348, 12.1406, 13.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0533, 12.0283, 13.4908 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(104, 95, 99) looks like.

```
.text, #text, p{  
    color:rgb(104, 95, 99)  
}
```

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(104, 95, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 95, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.0533, 12.0283, 13.4908 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(104, 95, 99) }
```


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

```
.border{ border-color:rgb(104, 95, 99) }
```

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

Here you see how a box with a 4 pixel rgb(104, 95, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 95, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 95, 99);  
box-shadow:4px 4px 4px 4px rgb(104, 95,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0533, 12.0283, 13.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 95, 99) }
```

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

```
.background{ background-color: rgb(104, 95,  
99) }
```

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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