

Converting Colors

XYZ(11.9600, 12.7090, 11.9022)

Have a look what the booklet for
XYZ(11.9600, 12.7090, 11.9022)
contains.

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Color

**XYZ(11.9684, 12.7118,
11.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	66645C
RGB	102, 100, 92
RGB Percent	40%, 39%, 36%
CMY	0.6000, 0.6078, 0.6392
CMYK	0.00, 0.02, 0.10, 0.60
HSL	48°, 5%, 38%
HSV	48°, 10%, 40%
XYZ	11.9684, 12.7118, 11.9480
YIQ	99.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

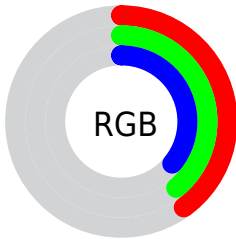
Format	Color
RYB	95, 102, 92
Decimal	6710364
CIELab	42.33, -0.79, 4.81
CIELCh	42, 4.876, 99.345
Yxy	12.7118, 0.3268, 0.3470
Android (android.graphics.Color)	4284900444 (0xFF66645C)
YUV	99.6860, -3.7892, 2.0294
Hunter-Lab	35.6536, -2.4740, 5.0887

Details

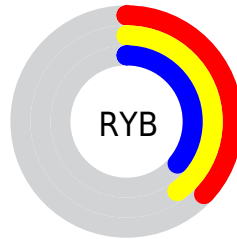
The XYZ color **11.9684, 12.7118, 11.9480** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8146, 11.2398, 14.1700**, and the grayscale version is **12.0421, 12.6692, 13.7968**.

A 20% lighter version of the original color is **29.0860, 30.8585, 30.0145**, and **3.3418, 3.5557, 3.0950** is the 20% darker color. If you saturate the color by 10%, you get **11.3593, 12.1597, 9.6913**, and if you desaturate by 10%, it is **12.6431, 13.2988, 14.5232**.

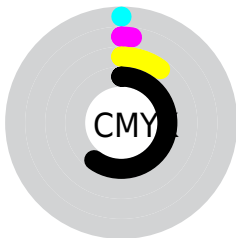
Distribution



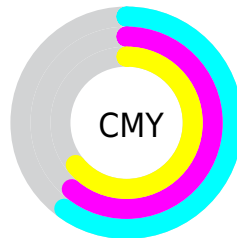
- Red (40%)
- Green (39%)
- Blue (36%)



- Red (37%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9684, 12.7118, 11.9480 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 11.9684, 12.7118, 11.9480 by changing the saturation by 10% instead.

■ 11.9684, 12.7118,
11.9480

■ 11.9684, 12.7118,
11.9480

197.9702,
209.0623, 215.0264

■ 6.7942, 7.2304,
6.5862

■ 29.0549, 30.7850,
30.0633

■ 3.3789, 3.6066,
3.1302

■ 41.6979, 44.1457,
43.6539

■ 1.3572, 1.4560,
1.1615

■ 57.5612, 60.9015,
60.8245

■ 0.2254, 0.2575,
0.0000

■ 77.0103, 81.4369,
81.9937

■ 0.0000, 0.0000,
0.0000

100.4103,
106.1363, 107.5799

128.1267,

135.3840, 138.0017

160.5249,
169.5646, 173.6777

■ 11.9684, 12.7118,
11.9480

■ 11.9684, 12.7118,
11.9480

■ 11.3593, 12.1597,
9.6913

■ 12.6431, 13.2988,
14.5232

■ 10.8124, 11.6399,
7.7396

■ 13.3847, 13.9200,
17.4279

■ 10.3255, 11.1517,
6.0799

■ 14.1958, 14.5769,
20.6736

■ 9.8958, 10.6941,
4.6978

■ 15.0782, 15.2704,
24.2710

■ 9.5202, 10.2658,
3.5776

■ 16.0342, 16.0013,
28.2304

■ 9.1955, 9.8653,
2.7021

■ 17.0655, 16.7705,
32.5616

■ 8.9181, 9.4912,
2.0521

■ 18.1739, 17.5786,
37.2741

■ 8.6836, 9.1417,
1.6056

■ 19.3613, 18.4266,
42.3770

■ 8.4725, 8.8089,
1.2595

■ 20.6294, 19.3151,
47.8790

Harmonies

Analogous

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



12.3318, 12.7118, 12.0413



11.9684, 12.7118, 11.9480



11.6420, 12.7118, 12.3417

Triad

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



11.9684, 12.7118, 11.9480



11.5467, 12.7118, 15.1570



12.7520, 12.7118, 14.5634

Complementary

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



11.9684, 12.7118, 11.9480



10.8146, 11.2398, 14.1700

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.



12.5334, 12.7118, 15.4570



11.9684, 12.7118, 11.9480



11.8359, 12.7118, 15.8116

Square

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



11.9684, 12.7118, 11.9480



11.4017, 12.7118, 14.1705



12.1967, 12.7118, 15.9241



12.7892, 12.7118, 13.5167

Rectangle

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



11.9684, 12.7118, 11.9480



11.4875, 12.7118, 12.8397



12.1967, 12.7118, 15.9241



12.6971, 12.7118, 14.8931

Sweetspot

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



11.9687, 12.7124, 11.9483



21.7721, 22.9787, 23.9252



11.3271, 11.2874, 12.1715



5.1173, 5.4045, 5.5716



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.9687, 12.7124, 11.9483



20.7082, 22.0427, 19.8968



11.8288, 12.9282, 11.9973



2.9962, 3.1799, 3.0303



10.8493, 11.2518, 1.6000



55.9624, 57.4387, 8.1372

Inverse Universe

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



10.8146, 11.2398, 14.1700



18.2008, 18.8437, 24.7236



10.9449, 11.0467, 14.1258



2.7330, 2.8441, 3.5369



3.3851, 1.8419, 16.3214



17.1380, 8.5725, 84.9528

Previews

White Background



This preview shows how the XYZ color 11.9684, 12.7118, 11.9480 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 11.9684, 12.7118, 11.9480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

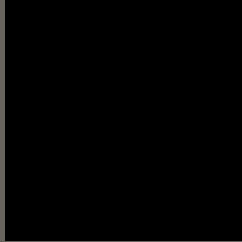
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9684, 12.7118, 11.9480

Background



This preview shows how black text looks on a background with the XYZ color 11.9684, 12.7118, 11.9480.



This preview shows how white text looks on a background with the XYZ color 11.9684, 12.7118,

11.9480.

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

11.9684, 12.7118, 11.9480

Protanopia

12.1979, 12.8301, 11.9588

Deuteranopia

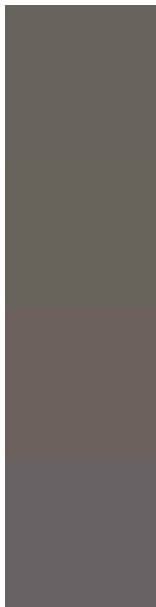
12.8407, 12.6008, 12.1113



Tritanopia

12.6781, 12.7190, 15.4225

Trichromacy



Original Color

11.9684, 12.7118, 11.9480

Protanomaly

12.0825, 12.7706, 11.9534

Deuteranomaly

12.4348, 12.5278, 12.1187

Tritanomaly

12.4043, 12.7468, 14.1185

Monochromacy



Original Color

11.9684, 12.7118, 11.9480

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0817, 12.7441, 13.1323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9684, 12.7118, 11.9480 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(102, 100, 92)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 92)  
}
```

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(102, 100, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 92) }
```

Border

The CSS property to change the border of an element to XYZ 11.9684, 12.7118, 11.9480 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(102, 100, 92) }
```


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

```
.border{ border-color:rgb(102, 100, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 100, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 92);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9684, 12.7118, 11.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 92) }
```

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

```
.background{ background-color: rgb(102,  
100, 92) }
```

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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