

Converting Colors

XYZ(12.0146, 11.8645, 4.8396)

Have a look what the booklet for
XYZ(12.0146, 11.8645, 4.8396)
contains.

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Color

**XYZ(12.0324, 11.8152,
4.7784)**

Conversions

Conversions Part 1

Format	Color
Hex	775C33
RGB	119, 92, 51
RGB Percent	47%, 36%, 20%
CMY	0.5333, 0.6392, 0.8000
CMYK	0.00, 0.23, 0.57, 0.53
HSL	36°, 40%, 33%
HSV	36°, 57%, 47%
XYZ	12.0324, 11.8152, 4.7784
YIQ	95.3990, 29.2530, -7.0270

Conversions

Conversions Part 2

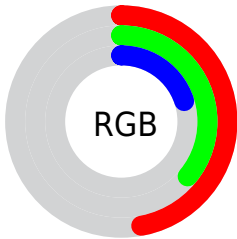
Format	Color
RYB	96, 119, 51
Decimal	7822387
CIELab	40.92, 5.71, 27.59
CIElCh	41, 28.178, 78.309
Yxy	11.8152, 0.4203, 0.4127
Android (android.graphics.Color)	4286012467 (0xFF775C33)
YUV	95.3990, -21.8887, 20.6981
Hunter-Lab	34.3732, 2.3310, 15.8191

Details

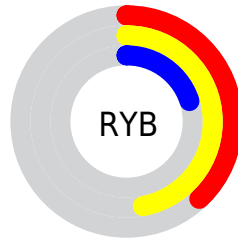
The XYZ color **12.0324, 11.8152, 4.7784** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.4193, 7.4843, 18.5062**, and the grayscale version is **11.0193, 11.5932, 12.6250**.

A 20% lighter version of the original color is **29.1112, 29.1121, 15.6401**, and **3.3883, 3.1939, 0.5815** is the 20% darker color. If you saturate the color by 10%, you get **11.4064, 10.9307, 3.4369**, and if you desaturate by 10%, it is **12.7517, 12.7788, 6.4827**.

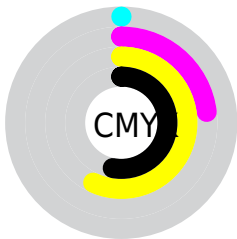
Distribution



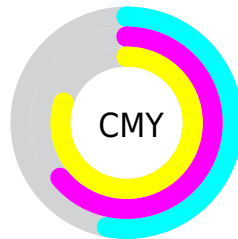
- Red (47%)
- Green (36%)
- Blue (20%)



- Red (38%)
- Yellow (47%)
- Blue (20%)



- Cyan (0%)
- Magenta (23%)
- Yellow (57%)
- Black (53%)



- Cyan (53%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0324, 11.8152, 4.7784 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 12.0324, 11.8152, 4.7784 by changing the saturation by 10% instead.

■ 12.0324, 11.8152,
4.7784

■ 12.0324, 11.8152,
4.7784

198.3852,
203.1780, 156.5199

■ 6.8381, 6.6180,
2.0614

■ 29.1704, 29.1581,
15.7685

■ 3.4065, 3.2244,
0.5926

■ 41.8449, 42.0725,
24.8787

■ 1.3722, 1.2500,
0.0000

■ 57.7435, 58.3282,
36.9571

■ 0.2363, 0.1019,
0.0000

■ 77.2315, 78.3094,
52.4221

■ 0.0000, 0.0000,
0.0000

■ 100.6743,
102.4006, 71.6924

■ 128.4373,

130.9861, 95.1864

160.8858,
164.4505, 123.3227

■ 12.0324, 11.8152,
4.7784

■ 12.0324, 11.8152,
4.7784

■ 11.4064, 10.9307,
3.4369

■ 12.7517, 12.7788,
6.4827

■ 10.8671, 10.1205,
2.4299

■ 13.5686, 13.8226,
8.5739

■ 10.4084, 9.3819,
1.7256

■ 14.4881, 14.9497,
11.0750

■ 10.0158, 8.7083,
1.2507

■ 15.5145, 16.1625,
14.0067

■ 9.9092, 8.5250,
1.1232

■ 16.6519, 17.4633,
17.3885

■ 17.9041, 18.8543,
21.2386

■ 19.2749, 20.3377,
25.5743

■ 20.7676, 21.9154,
30.4118

■ 22.3856, 23.5893,
35.7668

Harmonies

Analogous

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



14.0051, 11.8152, 6.2372



12.0324, 11.8152, 4.7784



10.0578, 11.8152, 4.9516

Triad

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



12.0324, 11.8152, 4.7784



7.9426, 11.8152, 16.6694



14.3743, 11.8152, 21.7321

Complementary

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



12.0324, 11.8152, 4.7784



7.4193, 7.4843, 18.5062

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.



12.4899, 11.8152, 26.5134



12.0324, 11.8152, 4.7784



8.8481, 11.8152, 23.0408

Square

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



12.0324, 11.8152, 4.7784



7.8511, 11.8152, 10.7475



10.4641, 11.8152, 27.0533



15.4611, 11.8152, 15.2433

Rectangle

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



12.0324, 11.8152, 4.7784



8.9981, 11.8152, 5.9814



10.4641, 11.8152, 27.0533



13.8034, 11.8152, 23.6662

Sweetspot

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



12.0327, 11.8158, 4.7786



27.7262, 28.8774, 24.9186



10.1739, 6.8426, 8.0301



6.5002, 6.7613, 5.7003



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.



12.0327, 11.8158, 4.7786



20.0597, 19.0348, 5.4370



13.9019, 16.8904, 5.6596



3.8504, 4.0338, 3.9180



10.5186, 9.0384, 1.1902



50.4045, 42.3375, 5.5153

Inverse Universe

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



7.4193, 7.4843, 18.5062



10.9188, 10.4724, 32.6990



6.2470, 4.5933, 18.0100



3.6089, 3.8064, 4.6347



4.6191, 3.5780, 18.9897



21.7219, 15.8603, 92.2768

Previews

White Background



This preview shows how the XYZ color 12.0324, 11.8152, 4.7784 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 12.0324, 11.8152, 4.7784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

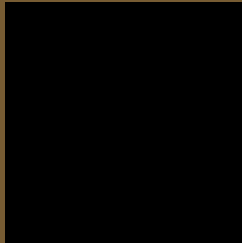
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0324, 11.8152, 4.7784

Background



This preview shows how black text looks on a background with the XYZ color 12.0324, 11.8152, 4.7784.



This preview shows how white text looks on a background with the XYZ color 12.0324, 11.8152,

4.7784.

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

12.0324, 11.8152, 4.7784

Protanopia

10.8612, 11.8706, 5.0870

Deuteranopia

12.0324, 11.8152, 4.7784



Tritanopia

13.5970, 11.8355, 12.1575

Trichromacy



Original Color

12.0324, 11.8152, 4.7784

Protanomaly

11.2676, 11.8119, 4.9349

Deuteranomaly

12.0324, 11.8152, 4.7784

Tritanomaly

12.9736, 11.8324, 8.8078

Monochromacy



Original Color

12.0324, 11.8152, 4.7784

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1229, 11.5130, 9.0331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0324, 11.8152, 4.7784 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(119, 92, 51)` looks like.

```
.text, #text, p{  
    color:rgb(119, 92, 51)  
}
```

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(119, 92, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 92, 51) }
```

Border

The CSS property to change the border of an element to XYZ 12.0324, 11.8152, 4.7784 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(119, 92, 51) }
```


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

```
.border{ border-color:rgb(119, 92, 51) }
```

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

Here you see how a box with a 4 pixel rgb(119, 92, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 92, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 92, 51);  
box-shadow:4px 4px 4px 4px rgb(119, 92,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0324, 11.8152, 4.7784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 92, 51) }
```

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

```
.background{ background-color: rgb(119, 92,  
51) }
```

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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