

Converting Colors

XYZ(12.2418, 11.8581, 8.3939)

Have a look what the booklet for
XYZ(12.2418, 11.8581, 8.3939)
contains.

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Color

**XYZ(12.2019, 11.8209,
8.4760)**

Conversions

Conversions Part 1

Format	Color
Hex	735C4C
RGB	115, 92, 76
RGB Percent	45%, 36%, 30%
CMY	0.5490, 0.6392, 0.7020
CMYK	0.00, 0.20, 0.34, 0.55
HSL	25°, 20%, 37%
HSV	25°, 34%, 45%
XYZ	12.2019, 11.8209, 8.4760
YIQ	97.0530, 18.8440, -0.1000

Conversions

Conversions Part 2

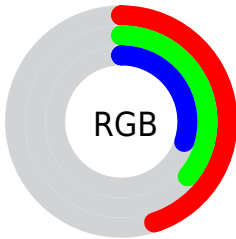
Format	Color
RYB	115, 103, 76
Decimal	7560268
CIELab	40.93, 6.84, 12.76
CIElCh	41, 14.478, 61.791
Yxy	11.8209, 0.3755, 0.3637
Android (android.graphics.Color)	4285750348 (0xFF735C4C)
YUV	97.0530, -10.3791, 15.7395
Hunter-Lab	34.3815, 3.1814, 9.4504

Details

The XYZ color **12.2019, 11.8209, 8.4760** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5368, 11.6977, 17.9223**, and the grayscale version is **11.3970, 11.9905, 13.0577**.

A 20% lighter version of the original color is **29.5231, 29.1515, 23.4728**, and **3.4845, 3.2165, 1.8037** is the 20% darker color. If you saturate the color by 10%, you get **11.2760, 10.5527, 6.3681**, and if you desaturate by 10%, it is **13.2525, 13.2240, 10.9785**.

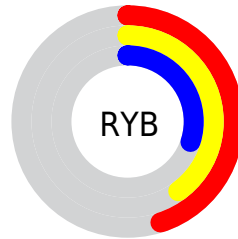
Distribution



Red (45%)

Green (36%)

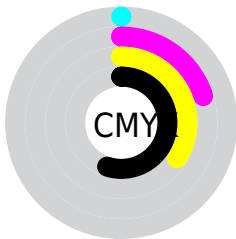
Blue (30%)



Red (45%)

Yellow (40%)

Blue (30%)

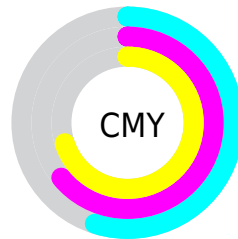


Cyan (0%)

Magenta (20%)

Yellow (34%)

Black (55%)



Cyan (55%)

Magenta (64%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2019, 11.8209, 8.4760 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 12.2019, 11.8209, 8.4760 by changing the saturation by 10% instead.

■ 12.2019, 11.8209,
8.4760

■ 12.2019, 11.8209,
8.4760

199.4801,
203.2160, 189.4911

■ 6.9545, 6.6218,
4.3089

■ 29.4760, 29.1685,
23.4478

■ 3.4797, 3.2268,
1.7963

■ 42.2334, 42.0858,
35.0896

■ 1.4122, 1.2512,
0.4255

■ 58.2248, 58.3447,
50.0601

■ 0.2649, 0.1030,
0.0000

■ 77.8156, 78.3295,
68.7778

■ 0.0000, 0.0000,
0.0000

■ 101.3712,
102.4246, 91.6612

129.2569,

131.0145, 119.1288

161.8381,
164.4835, 151.5993

■ 12.2019, 11.8209,
8.4760

■ 12.2019, 11.8209,
8.4760

■ 11.2760, 10.5527,
6.3681

■ 13.2525, 13.2240,
10.9785

■ 10.4687, 9.4134,
4.6334

■ 14.4318, 14.7645,
13.8938

■ 9.7747, 8.3992,
3.2499

■ 15.7447, 16.4467,
17.2399

■ 9.1879, 7.5051,
2.1927

■ 17.1953, 18.2743,
21.0336

■ 8.7015, 6.7260,
1.4336

■ 18.7880, 20.2509,
25.2908

■ 8.3062, 6.0554,
0.9320

■ 20.5265, 22.3799,
30.0263

■ 8.0943, 5.6928,
0.6722

■ 22.4148, 24.6646,
35.2547

■ 24.4564, 27.1083,
40.9897

■ 26.6548, 29.7140,
47.2445

Harmonies

Analogous

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



13.0119, 11.8209, 10.0975



12.2019, 11.8209, 8.4760



11.1734, 11.8209, 7.9762

Triad

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



12.2019, 11.8209, 8.4760



9.3626, 11.8209, 13.0498



12.3160, 11.8209, 18.3443

Complementary

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



12.2019, 11.8209, 8.4760



10.5368, 11.6977, 17.9223

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.



11.2977, 11.8209, 19.4442



12.2019, 11.8209, 8.4760



9.6284, 11.8209, 16.1107

Square

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



12.2019, 11.8209, 8.4760



9.5724, 11.8209, 10.3621



10.3214, 11.8209, 18.5707



13.0806, 11.8209, 15.7552

Rectangle

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



12.2019, 11.8209, 8.4760



10.5132, 11.8209, 8.2737



10.3214, 11.8209, 18.5707



11.9900, 11.8209, 18.9169

Sweetspot

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



12.2022, 11.8215, 8.4762



26.6728, 27.5082, 26.9753



11.9261, 9.7224, 13.1531



6.3019, 6.4837, 6.2800



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.2022, 11.8215, 8.4762



20.4798, 19.2958, 12.0447



14.0702, 15.5575, 9.0989



3.7959, 3.9248, 3.8998



9.2329, 6.4671, 0.7616



44.1928, 29.9142, 3.4448

Inverse Universe

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



10.5368, 11.6977, 17.9223



16.9901, 19.0315, 31.8225



8.9365, 8.4971, 17.3889



3.6633, 3.9152, 4.6529



5.8666, 6.0728, 19.4055



27.7299, 27.8764, 94.2794

Previews

White Background



This preview shows how the XYZ color 12.2019, 11.8209, 8.4760 looks on a white background.

Color Contrast Check

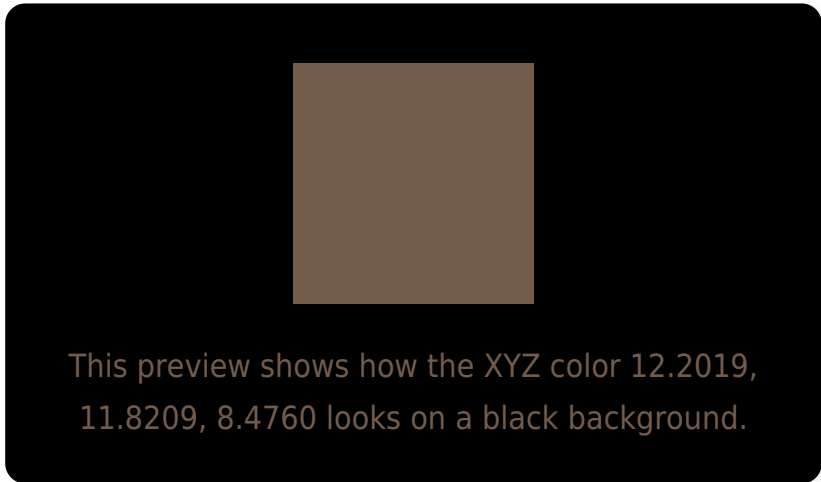
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2019, 11.8209, 8.4760

Background



This preview shows how black text looks on a background with the XYZ color 12.2019, 11.8209, 8.4760.



This preview shows how white text looks on a background with the XYZ color 12.2019, 11.8209,

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

12.2019, 11.8209, 8.4760

Protanopia

11.1515, 11.7994, 8.8975

Deuteranopia

12.0289, 11.8612, 8.4929



Tritanopia

13.0198, 11.7712, 12.6522

Trichromacy



Original Color

12.2019, 11.8209, 8.4760

Protanomaly

11.4952, 11.8460, 8.7018

Deuteranomaly

12.1583, 11.9279, 8.4990

Tritanomaly

12.6618, 11.7466, 11.0512

Monochromacy



Original Color

12.2019, 11.8209, 8.4760

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6043, 11.8487, 11.1266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2019, 11.8209, 8.4760 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(115, 92, 76)` looks like.

```
.text, #text, p{  
    color:rgb(115, 92, 76)  
}
```

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(115, 92, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 92, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.2019, 11.8209, 8.4760 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(115, 92, 76) }
```


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

```
.border{ border-color:rgb(115, 92, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 92, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 92, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 92, 76);  
box-shadow:4px 4px 4px 4px rgb(115, 92,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2019, 11.8209, 8.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 92, 76) }
```

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

```
.background{ background-color: rgb(115, 92,  
76) }
```

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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