

Converting Colors

XYZ(11.8330, 12.0629, 5.8947)

Have a look what the booklet for
XYZ(11.8330, 12.0629, 5.8947)
contains.

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Color

**XYZ(11.8211, 12.0776,
5.8458)**

Conversions

Conversions Part 1

Format	Color
Hex	725F3B
RGB	114, 95, 59
RGB Percent	45%, 37%, 23%
CMY	0.5529, 0.6274, 0.7686
CMYK	0.00, 0.17, 0.48, 0.55
HSL	39°, 32%, 34%
HSV	39°, 48%, 45%
XYZ	11.8211, 12.0776, 5.8458
YIQ	96.5770, 22.8800, -7.1680

Conversions

Conversions Part 2

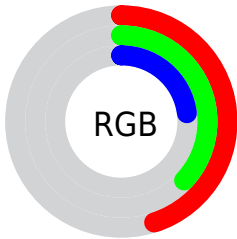
Format	Color
R_{YB}	88, 114, 59
Decimal	7495483
CIE Lab	41.34, 2.43, 23.41
CIE LCh	41, 23.536, 84.078
Yxy	12.0776, 0.3974, 0.4060
Android (android.graphics.Color)	4285685563 (0xFF725F3B)
YUV	96.5770, -18.5255, 15.2800
Hunter-Lab	34.7528, -0.1011, 14.3538

Details

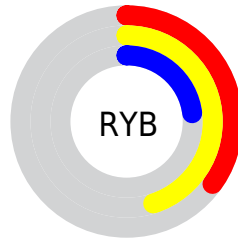
The XYZ color **11.8211, 12.0776, 5.8458** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5652, 7.5933, 16.9866**, and the grayscale version is **11.2989, 11.8873, 12.9452**.

A 20% lighter version of the original color is **28.7156, 29.5278, 18.0959**, and **3.2989, 3.3211, 0.9191** is the 20% darker color. If you saturate the color by 10%, you get **11.2114, 11.2809, 4.3398**, and if you desaturate by 10%, it is **12.5139, 12.9372, 7.6985**.

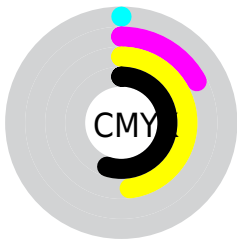
Distribution



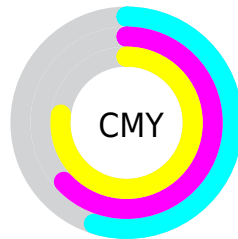
- Red (45%)
- Green (37%)
- Blue (23%)



- Red (35%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (17%)
- Yellow (48%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8211, 12.0776, 5.8458 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 11.8211, 12.0776, 5.8458 by changing the saturation by 10% instead.

■ 11.8211, 12.0776,
5.8458

■ 11.8211, 12.0776,
5.8458

197.0115,
204.9183, 166.9450

■ 6.6933, 6.7965,
2.6843

■ 28.7885, 29.6364,
18.0821

■ 3.3157, 3.3352,
0.9355

■ 41.3589, 42.6829,
27.9940

■ 1.3228, 1.3091,
0.0000

■ 57.1408, 59.0866,
40.9930

■ 0.2002, 0.1483,
0.0000

■ 76.4997, 79.2321,
57.4978

■ 0.0000, 0.0000,
0.0000

■ 99.8008, 103.5036,
77.9268

■ 127.4096,

132.2855, 102.6987

159.6914,
165.9623, 132.2319

■ 11.8211, 12.0776,
5.8458

■ 11.8211, 12.0776,
5.8458

■ 11.2114, 11.2809,
4.3398

■ 12.5139, 12.9372,
7.6985

■ 10.6795, 10.5431,
3.1573

■ 13.2931, 13.8599,
9.9176

■ 10.2206, 9.8624,
2.2734

■ 14.1627, 14.8484,
12.5222

■ 9.8290, 9.2360,
1.6591

■ 15.1264, 15.9044,
15.5299

■ 9.4879, 8.6568,
1.2283

■ 16.1875, 17.0296,
18.9572

■ 9.4301, 8.5587,
1.1550

■ 17.3492, 18.2257,
22.8195

■ 18.6145, 19.4944,
27.1316

■ 19.9862, 20.8370,
31.9077

■ 21.4672, 22.2550,
37.1610

Harmonies

Analogous

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



13.5130, 12.0776, 6.9165



11.8211, 12.0776, 5.8458



10.1927, 12.0776, 6.3041

Triad

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



11.8211, 12.0776, 5.8458



8.7380, 12.0776, 17.3667



14.3453, 12.0776, 19.4664

Complementary

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



11.8211, 12.0776, 5.8458



7.5652, 7.5933, 16.9866

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.



12.8701, 12.0776, 23.7247



11.8211, 12.0776, 5.8458



9.6608, 12.0776, 22.3174

Square

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



11.8211, 12.0776, 5.8458



8.5166, 12.0776, 12.2050



11.1443, 12.0776, 24.8798



15.0602, 12.0776, 14.1435

Rectangle

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



11.8211, 12.0776, 5.8458



9.3458, 12.0776, 7.4912



11.1443, 12.0776, 24.8798



13.9153, 12.0776, 21.1178

Sweetspot

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



11.8214, 12.0782, 5.8460



25.5258, 26.7995, 23.9725



9.8876, 7.2591, 8.1349



5.8384, 6.1263, 5.3433



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



11.8214, 12.0782, 5.8460



19.5777, 19.6563, 7.3366



12.7210, 15.3994, 6.4397



3.5496, 3.7316, 3.6065



10.4816, 9.4957, 1.2804



51.3864, 45.6479, 6.1026

Inverse Universe

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



7.5652, 7.5933, 16.9866



11.1367, 10.7736, 29.4680



6.9333, 5.5451, 16.6246



3.3031, 3.4715, 4.2502



4.1878, 2.9659, 18.0734



20.1256, 13.3030, 89.7861

Previews

White Background



This preview shows how the XYZ color 11.8211, 12.0776, 5.8458 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 11.8211, 12.0776, 5.8458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

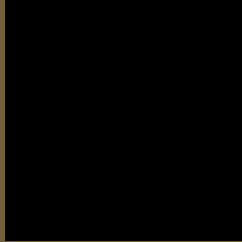
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8211, 12.0776, 5.8458

Background



This preview shows how black text looks on a background with the XYZ color 11.8211, 12.0776, 5.8458.



This preview shows how white text looks on a background with the XYZ color 11.8211, 12.0776,

5.8458.

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

11.8211, 12.0776, 5.8458

Protanopia

11.2467, 12.1874, 6.0346

Deuteranopia

12.1750, 11.9960, 5.8114



Tritanopia

13.2850, 12.0269, 12.9305

Trichromacy



Original Color

11.8211, 12.0776, 5.8458

Protanomaly

11.5207, 12.1906, 6.0208

Deuteranomaly

12.1282, 12.1031, 5.8346

Tritanomaly

12.7246, 12.0607, 9.8409

Monochromacy



Original Color

11.8211, 12.0776, 5.8458

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.3377, 11.8738, 9.8779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8211, 12.0776, 5.8458 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(114, 95, 59)` looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 59)  
}
```

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(114, 95, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 59) }
```

Border

The CSS property to change the border of an element to XYZ 11.8211, 12.0776, 5.8458 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(114, 95, 59) }
```


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

```
.border{ border-color:rgb(114, 95, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 59);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8211, 12.0776, 5.8458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 59) }
```

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

```
.background{ background-color: rgb(114, 95,  
59) }
```

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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