Converting Colors

XYZ(5.8804, 11.1182, 3.2763)

Have a look what the booklet for XYZ(5.8804, 11.1182, 3.2763) contains.

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Color

XYZ(5.8812, 11.1182, 3.2749)

Conversions

Conversions Part 1

Format	Color
Hex	0B6D21
RGB	11, 109, 33
RGB Percent	4%, 43%, 13%
CMY	0.9568, 0.5725, 0.8706
CMYK	0.90, 0.00, 0.70, 0.57
HSL	133°, 82%, 24%
HSV	133°, 90%, 43%
XYZ	5.8812, 11.1182, 3.2749
YIQ	71.0340, -34.0120, -44.4120

Conversions

Conversions Part 2

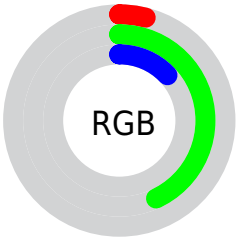
Format	Color
RYB	11, 91, 109
Decimal	748833
CIELab	39.78, -42.66, 33.97
CIELCh	40, 54.537, 141.470
Yxy	11.1182, 0.2901, 0.5484
Android (android.graphics.Color)	4278938913 (0xFF0B6D21)
YUV	71.0340, -18.7508, -52.6498
Hunter-Lab	33.3440, -26.8682, 17.5176

Details

The XYZ color 5.8812, 11.1182, 3.2749 is a dark color, and the websafe version is hex 006600. A complement of this color would be 8.1472, 4.1790, 9.3952, and the grayscale version is 6.0303, 6.3443, 6.9090.

A 20% lighter version of the original color is 17.4661, 28.0125, 12.2710, and 1.6159, 3.2317, 0.5386 is the 20% darker color. If you saturate the color by 10%, you get 5.6408, 11.0066, 2.7216, and if you desaturate by 10%, it is 6.2059, 11.2705, 3.9881.

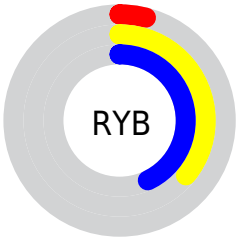
Distribution



Red (4%)

Green (43%)

Blue (13%)



Red (4%)

Yellow (36%)

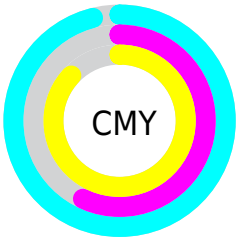
Blue (43%)

Cyan (90%)

Magenta (0%)

Yellow (70%)

Black (57%)



Cyan (96%)

Magenta (57%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.8812, 11.1182, 3.2749 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 5.8812, 11.1182, 3.2749 by changing the saturation by 10% instead.

5.8812, 11.1182, 3.2749

5.8812, 11.1182, 3.2749

152.7712, 198.4767, 139.7884

2.8129, 6.1464, 1.2367

17.4119, 27.8785, 12.2996

1.0556, 2.9343, 0.0090

26.6051, 40.4358, 20.1230

0.0000, 1.0975, 0.0000

38.5707, 56.2905, 30.7120

0.0000, 0.0000, 0.0000

53.6739, 75.8267, 44.4851

72.2803, 99.4291, 61.8607

94.7550, 127.4820,

83.2574

121.4636, 160.3697, 109.0938

5.8812, 11.1182, 3.2749

5.6408, 11.0066, 2.7216

5.6386, 11.0056, 2.7169

5.8812, 11.1182, 3.2749

6.2059, 11.2705, 3.9881

6.6636, 11.4873, 4.8734

7.2680, 11.7758, 5.9415

8.0305, 12.1419, 7.2017

8.9618, 12.5906, 8.6630

10.0712, 13.1267, 10.3337

11.3676, 13.7545, 12.2216

12.8592, 14.4782, 14.3340

14.5536, 15.3016, 16.6782

Harmonies

Analogous

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

8.1480, 11.1182, 1.2751

5.8812, 11.1182, 3.2749

4.9319, 11.1182, 9.3006

Triad

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

5.8812, 11.1182, 3.2749

9.5363, 11.1182, 46.0303

18.7718, 11.1182, 6.0242

Complementary

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

5.8812, 11.1182, 3.2749

8.1472, 4.1790, 9.3952

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.

19.3937, 11.1182, 15.4250

5.8812, 11.1182, 3.2749

13.4241, 11.1182, 43.1656

Square

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

5.8812, 11.1182, 3.2749

6.6911, 11.1182, 36.4208

17.2503, 11.1182, 30.0007

15.7099, 11.1182, 2.0851

Rectangle

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

5.8812, 11.1182, 3.2749

4.9705, 11.1182, 16.6802

17.2503, 11.1182, 30.0007

19.2979, 11.1182, 8.4550

Sweetspot

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

5.8815, 11.1187, 3.2752

18.5047, 23.7326, 19.1983

9.5320, 13.0253, 2.3285

4.1823, 5.4628, 4.2848

54.2243, 57.0482, 62.1254

6.0569, 6.3724, 6.9395

Same Dimension

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

5.8815, 11.1187, 3.2752

10.0539, 19.6895, 4.6408

7.1010, 11.6065, 9.6971

3.0893, 3.4549, 3.4539

6.5865, 12.8687, 3.1334

33.2803, 65.4592, 14.4887

Inverse Universe

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

8.1472, 4.1790, 9.3952

14.1484, 6.9639, 15.5645

6.7891, 3.6358, 2.2436

3.1899, 3.1528, 3.7305

9.2636, 4.5575, 10.2824

46.8645, 23.0878, 50.6167

Previews

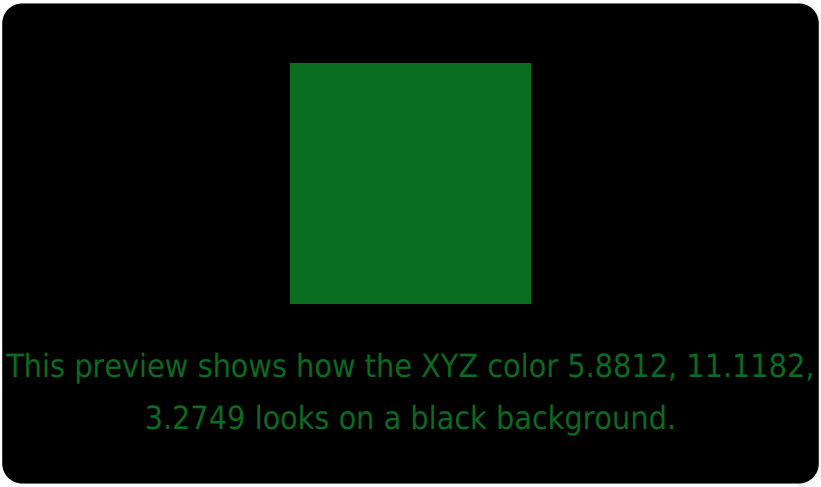
White Background

This preview shows how the XYZ color 5.8812, 11.1182, 3.2749 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

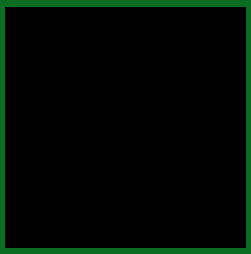


Color Contrast Check

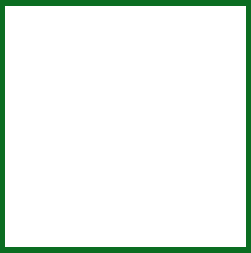
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 5.8812, 11.1182, 3.2749 Background



This preview shows how black text looks on a background with the XYZ color 5.8812, 11.1182, 3.2749.



This preview shows how white text looks on a background with the XYZ color 5.8812, 11.1182,

3.2749.

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
5.8812, 11.1182, 3.2749

Protanopia
10.0502, 11.0974, 2.7747

Deuteranopia
11.1578, 11.0110, 3.5447

Tritanopia
8.6480, 11.1864, 16.4552

Trichromacy

Original Color
5.8812, 11.1182, 3.2749

Protanomaly
7.2947, 10.3570, 2.8429

Deuteranomaly
7.6587, 10.1190, 3.2998

Tritanomaly
7.2018, 11.0357, 9.7332

Monochromacy

Original Color
5.8812, 11.1182, 3.2749

Achromatopsia
5.9891, 6.3010, 6.8618

Achromatomaly
5.2536, 7.4454, 5.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.8812, 11.1182, 3.2749 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(11, 109, 33) looks like.

```
.text, #text, p{
    color:rgb(11, 109, 33)
}
```

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(11, 109, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 109, 33) }
```

Border

The CSS property to change the border of an element to XYZ 5.8812, 11.1182, 3.2749 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(11, 109, 33) }
```

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

```
.border{ border-color:rgb(11, 109, 33) }
```

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

Here you see how a box with a 4 pixel rgb(11, 109, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(11, 109, 33); -webkit-box-shadow:4px 4px 4px 4px rgb(11, 109, 33); box-shadow:4px 4px 4px 4px rgb(11, 109, 33) }
```

Background

The CSS property to change the background color of an element to XYZ 5.8812, 11.1182, 3.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(11, 109, 33) }
```

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

```
.background{ background-color:rgb(11, 109,
33) }
```

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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