

Converting Colors

XYZ(11.8385, 18.1130, 4.8554)

Have a look what the booklet for
XYZ(11.8385, 18.1130, 4.8554)
contains.

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Color

**XYZ(11.8076, 18.0913,
4.8771)**

Conversions

Conversions Part 1

Format	Color
Hex	508328
RGB	80, 131, 40
RGB Percent	31%, 51%, 16%
CMY	0.6863, 0.4863, 0.8431
CMYK	0.39, 0.00, 0.69, 0.49
HSL	94°, 53%, 34%
HSV	94°, 69%, 51%
XYZ	11.8076, 18.0913, 4.8771
YIQ	105.3770, -1.1850, -39.1130

Conversions

Conversions Part 2

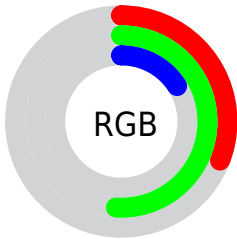
Format	Color
RYB	40, 131, 91
Decimal	5276456
CIELab	49.61, -33.30, 42.09
CIELCh	50, 53.669, 128.354
Yxy	18.0913, 0.3395, 0.5202
Android (android.graphics.Color)	4283466536 (0xFF508328)
YUV	105.3770, -32.2309, -22.2556
Hunter-Lab	42.5339, -24.8818, 22.9753

Details

The XYZ color **11.8076, 18.0913, 4.8771** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.1707, 5.3810, 22.0290**, and the grayscale version is **13.6152, 14.3243, 15.5991**.

A 20% lighter version of the original color is **28.6588, 40.0057, 15.8843**, and **3.3944, 6.1179, 1.0020** is the 20% darker color. If you saturate the color by 10%, you get **11.0352, 17.7152, 3.8688**, and if you desaturate by 10%, it is **12.7242, 18.5341, 6.2874**.

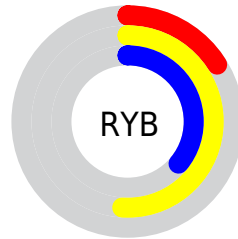
Distribution



Red (31%)

Green (51%)

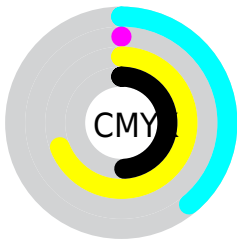
Blue (16%)



Red (16%)

Yellow (51%)

Blue (36%)

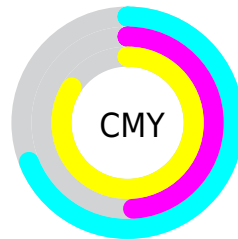


Cyan (39%)

Magenta (0%)

Yellow (69%)

Black (49%)



Cyan (69%)

Magenta (49%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8076, 18.0913, 4.8771 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 11.8076, 18.0913, 4.8771 by changing the saturation by 10% instead.

■ 11.8076, 18.0913,
4.8771

■ 11.8076, 18.0913,
4.8771

196.9234,
241.3852, 157.5256

■ 6.6841, 11.0156,
2.1179

■ 28.7641, 40.1928,
15.9868

■ 3.3099, 6.0773,
0.6264

■ 41.3278, 55.9874,
25.1744

■ 1.3197, 2.8921,
0.0000

■ 57.1022, 75.4571,
37.3418

■ 0.1979, 1.0757,
0.0000

■ 76.4528, 98.9862,
52.9076

■ 0.0000, 0.0000,
0.0000

■ 99.7449, 126.9592,
72.2904

■ 127.3437,

159.7604, 95.9086

159.6148,
197.7742, 124.1808

■ 11.8076, 18.0913,
4.8771

■ 11.8076, 18.0913,
4.8771

■ 11.0352, 17.7152,
3.8688

■ 12.7242, 18.5341,
6.2874

■ 10.3956, 17.3992,
3.2189

■ 13.7927, 19.0452,
8.1349

■ 9.8639, 17.1337,
2.8074

■ 15.0216, 19.6287,
10.4522

■ 9.8373, 17.1204,
2.7861

■ 16.4184, 20.2879,
13.2686

■ 17.9899, 21.0257,
16.6110

■ 19.7427, 21.8449,
20.5044

■ 21.6829, 22.7482,
24.9720

■ 23.8163, 23.7382,
30.0360

■ 26.1485, 24.8171,
35.7170

Harmonies

Analogous

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



15.8117, 18.0913, 2.9421



11.8076, 18.0913, 4.8771



9.6063, 18.0913, 11.0602

Triad

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



11.8076, 18.0913, 4.8771



13.8308, 18.0913, 58.9420



28.8142, 18.0913, 15.8991

Complementary

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



11.8076, 18.0913, 4.8771



9.1707, 5.3810, 22.0290

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.



27.9946, 18.0913, 31.9567



11.8076, 18.0913, 4.8771



18.6572, 18.0913, 62.4993

Square

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



11.8076, 18.0913, 4.8771



10.6038, 18.0913, 42.7215



24.0137, 18.0913, 50.8815



26.0720, 18.0913, 6.9197

Rectangle

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



11.8076, 18.0913, 4.8771



9.1482, 18.0913, 18.9038



24.0137, 18.0913, 50.8815



28.9553, 18.0913, 20.5149

Sweetspot

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



11.8080, 18.0921, 4.8775



31.6203, 37.3722, 28.4581



13.4042, 12.3000, 3.6754



7.2055, 8.6277, 6.2904



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.8080, 18.0921, 4.8775



19.1081, 31.4012, 6.2192



9.4569, 16.8706, 5.1956



4.7961, 5.2975, 4.9991



9.6858, 16.8532, 2.7425



0.0417, 0.0626, 0.0099

Inverse Universe

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



9.1707, 5.3810, 22.0290



14.0248, 7.0364, 39.0721



13.9146, 7.8614, 20.6762



4.6655, 4.6637, 5.8550



6.7719, 3.0252, 21.3637



0.0319, 0.0148, 0.0744

Previews

White Background



This preview shows how the XYZ color 11.8076, 18.0913, 4.8771 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 11.8076, 18.0913, 4.8771 looks on a black 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

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

XYZ 11.8076, 18.0913, 4.8771

Background



This preview shows how black text looks on a background with the XYZ color 11.8076, 18.0913, 4.8771.



This preview shows how white text looks on a background with the XYZ color 11.8076, 18.0913,

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

11.8076, 18.0913, 4.8771

Protanopia

16.3126, 17.9898, 4.2817

Deuteranopia

18.1613, 17.9046, 5.1880



Tritanopia

15.7405, 17.9647, 24.4677

Trichromacy



Original Color

11.8076, 18.0913, 4.8771

Protanomaly

14.2269, 17.8102, 4.4381

Deuteranomaly

15.0775, 17.5131, 4.9686

Tritanomaly

13.7056, 17.6919, 14.4969

Monochromacy



Original Color

11.8076, 18.0913, 4.8771

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3264, 15.1155, 10.0525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8076, 18.0913, 4.8771 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(80, 131, 40)` looks like.

```
.text, #text, p{  
    color:rgb(80, 131, 40)  
}
```

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(80, 131, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 131, 40) }
```

Border

The CSS property to change the border of an element to XYZ 11.8076, 18.0913, 4.8771 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(80, 131, 40) }
```


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

```
.border{ border-color:rgb(80, 131, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 131, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 131, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 131, 40);  
box-shadow:4px 4px 4px 4px rgb(80, 131,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8076, 18.0913, 4.8771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 131, 40) }
```

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

```
.background{ background-color: rgb(80, 131,  
40) }
```

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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