

Converting Colors

XYZ(11.8967, 19.0256, 3.0460)

Have a look what the booklet for
XYZ(11.8967, 19.0256, 3.0460)
contains.

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Color

**XYZ(11.8884, 18.9902,
3.0389)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8700
RGB	79, 135, 0
RGB Percent	31%, 53%, 0%
CMY	0.6902, 0.4706, 1.0000
CMYK	0.41, 0.00, 1.00, 0.47
HSL	85°, 100%, 26%
HSV	85°, 100%, 53%
XYZ	11.8884, 18.9902, 3.0389
YIQ	102.8660, 9.9590, -53.8570

Conversions

Conversions Part 2

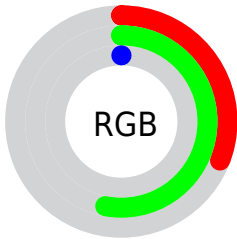
Format	Color
RYB	0, 135, 56
Decimal	5211904
CIELab	50.68, -37.34, 54.29
CIELCh	51, 65.894, 124.521
Yxy	18.9902, 0.3505, 0.5599
Android (android.graphics.Color)	4283401984 (0xFF4F8700)
YUV	102.8660, -50.7129, -20.9305
Hunter-Lab	43.5777, -27.5647, 26.3698

Details

The XYZ color **11.8884, 18.9902, 3.0389** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.0051, 2.5907, 23.1063**, and the grayscale version is **12.9854, 13.6616, 14.8775**.

A 20% lighter version of the original color is **29.0125, 41.8569, 11.7043**, and **3.5794, 6.6676, 1.0983** is the 20% darker color. If you saturate the color by 10%, you get **11.8884, 18.9908, 3.0390**, and if you desaturate by 10%, it is **12.4505, 19.2718, 3.4619**.

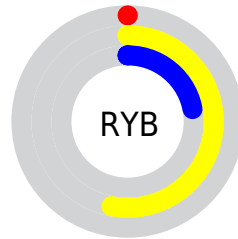
Distribution



Red (31%)

Green (53%)

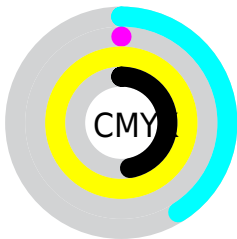
Blue (0%)



Red (0%)

Yellow (53%)

Blue (22%)

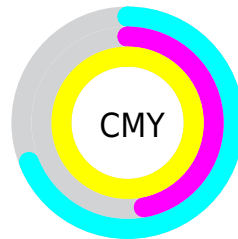


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (69%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8884, 18.9902, 3.0389 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 11.8884, 18.9902, 3.0389 by changing the saturation by 10% instead.

■ 11.8884, 18.9902,
3.0389

■ 11.8884, 18.9902,
3.0389

197.4501,
246.3947, 136.8545

■ 6.7394, 11.6632,
1.1145

■ 28.9103, 41.7175,
11.7243

■ 3.3445, 6.5148,
0.0000

■ 41.5139, 57.8867,
19.3224

■ 1.3385, 3.1605,
0.0000

■ 57.3331, 77.7720,
29.6488

■ 0.2117, 1.2161,
0.0000

■ 76.7332, 101.7578,
43.1220

■ 0.0000, 0.0748,
0.0000


■ 100.0796,
130.2286, 60.1607


■ 0.0000, 0.0000,
0.0000


■ 127.7377,


163.5687, 81.1833


 160.0727,
202.1626, 106.6084


 11.8884, 18.9902,
3.0389


 11.8884, 18.9902,
3.0389


 11.8884, 18.9908,
3.0390

 12.4505, 19.2718,
3.4619

 13.0984, 19.5917,
4.1288

 13.8592, 19.9615,
5.1758

 14.7425, 20.3852,
6.6491

 15.7567, 20.8662,
8.5881

■ 16.9092, 21.4075,
11.0277

■ 18.2069, 22.0120,
13.9997

■ 19.6559, 22.6823,
17.5329

■ 21.2622, 23.4209,
21.6544

Harmonies

Analogous

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



17.0886, 18.9902, 1.6277



11.8884, 18.9902, 3.0389



9.0016, 18.9902, 8.8429

Triad

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



11.8884, 18.9902, 3.0389



13.2182, 18.9902, 72.2497



33.4707, 18.9902, 17.9992

Complementary

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



11.8884, 18.9902, 3.0389



6.0051, 2.5907, 23.1063

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.



31.7373, 18.9902, 40.0546



11.8884, 18.9902, 3.0389



19.0460, 18.9902, 80.2354

Square

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



11.8884, 18.9902, 3.0389



9.6311, 18.9902, 48.0814



26.0392, 18.9902, 65.9865



30.3329, 18.9902, 6.3638

Rectangle

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



11.8884, 18.9902, 3.0389



8.2971, 18.9902, 17.4644



26.0392, 18.9902, 65.9865



33.4434, 18.9902, 24.2614

Sweetspot

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



11.8888, 18.9910, 3.0393



32.4373, 39.3403, 24.6769



11.3117, 7.7902, 0.9077



7.3089, 9.0163, 5.2417



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.8888, 18.9910, 3.0393



21.1039, 33.9120, 5.4334



8.8380, 17.4183, 2.8965



4.8579, 5.3293, 5.0020



10.9775, 17.5190, 2.8029



0.0464, 0.0650, 0.0101

Inverse Universe

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



6.0051, 2.5907, 23.1063



10.5788, 4.5489, 41.3688



12.3294, 5.8510, 23.4023



4.6039, 4.6319, 5.8521



5.5514, 2.3960, 21.3066



0.0272, 0.0124, 0.0742

Previews

White Background



This preview shows how the XYZ color 11.8884, 18.9902, 3.0389 looks on a white 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

Black Background



This preview shows how the XYZ color 11.8884, 18.9902, 3.0389 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 11.8884, 18.9902, 3.0389

Background



This preview shows how black text looks on a background with the XYZ color 11.8884, 18.9902, 3.0389.



This preview shows how white text looks on a background with the XYZ color 11.8884, 18.9902,

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

11.8884, 18.9902, 3.0389

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

18.9776, 18.6931, 3.6448



Tritanopia

16.4969, 18.8777, 26.0668

Trichromacy



Original Color

11.8884, 18.9902, 3.0389

Protanomaly

14.5311, 18.5665, 2.8178

Deuteranomaly

15.5182, 18.3195, 3.2484

Tritanomaly

13.6904, 18.5125, 11.8685

Monochromacy



Original Color

11.8884, 18.9902, 3.0389

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.7302, 15.0345, 7.4380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8884, 18.9902, 3.0389 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(79, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 135, 0)  
}
```

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(79, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.8884, 18.9902, 3.0389 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(79, 135, 0) }
```


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

```
.border{ border-color:rgb(79, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 135, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8884, 18.9902, 3.0389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 135, 0) }
```

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

```
.background{ background-color: rgb(79, 135,  
0) }
```

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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