

Converting Colors

XYZ(19.3955, 30.1740, 4.8019)

Have a look what the booklet for
XYZ(19.3955, 30.1740, 4.8019)
contains.

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Color

**XYZ(19.4619, 30.2757,
4.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	69A600
RGB	105, 166, 0
RGB Percent	41%, 65%, 0%
CMY	0.5882, 0.3490, 0.9999
CMYK	0.37, 0.00, 1.00, 0.35
HSL	82°, 100%, 33%
HSV	82°, 100%, 65%
XYZ	19.4619, 30.2757, 4.8180
YIQ	128.8370, 16.9300, -64.5580

Conversions

Conversions Part 2

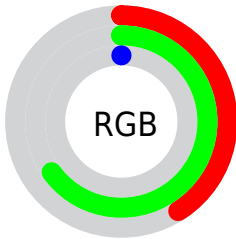
Format	Color
RYB	0, 166, 61
Decimal	6923776
CIELab	61.89, -41.03, 63.56
CIELCh	62, 75.652, 122.849
Yxy	30.2757, 0.3567, 0.5550
Android (android.graphics.Color)	4285113856 (0xFF69A600)
YUV	128.8370, -63.5166, -20.9050
Hunter-Lab	55.0234, -33.1550, 33.3248

Details

The XYZ color **19.4619, 30.2757, 4.8180** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.8090, 3.7463, 36.3370**, and the grayscale version is **21.0216, 22.1163, 24.0847**.

A 20% lighter version of the original color is **41.9928, 59.8887, 15.8250**, and **7.1241, 12.4386, 2.0254** is the 20% darker color. If you saturate the color by 10%, you get **19.4619, 30.2767, 4.8182**, and if you desaturate by 10%, it is **20.3033, 30.6991, 5.3700**.

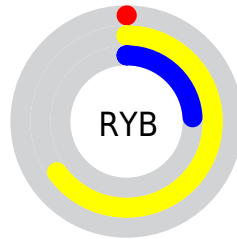
Distribution



Red (41%)

Green (65%)

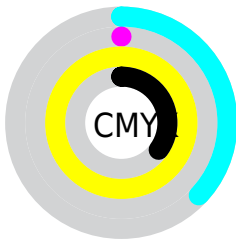
Blue (0%)



Red (0%)

Yellow (65%)

Blue (24%)

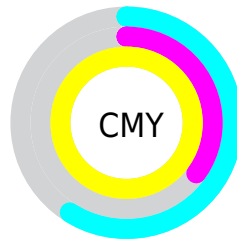


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (59%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4619, 30.2757, 4.8180 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 19.4619, 30.2757, 4.8180 by changing the saturation by 10% instead.

■ 19.4619, 30.2757,
4.8180

■ 19.4619, 30.2757,
4.8180

241.8764,
303.1874, 156.9245

■ 12.1105, 20.0479,
2.0840

■ 42.0240, 60.0979,
15.8562

■ 6.8917, 12.4299,
0.6062

■ 57.9654, 80.4612,
24.9976

■ 3.4402, 7.0372,
0.0000

■ 77.5009, 104.9717,
37.1118

■ 1.3906, 3.4854,
0.0000

■ 100.9958,
134.0139, 52.6174

■ 0.2495, 1.3901,
0.0000

■ 128.8154,
167.9722, 71.9329

■ 0.0000, 0.2094,
0.0000


■ 161.3252,


■ 0.0000, 0.0000,


207.2309, 95.4769


0.0000


 198.8904,
252.1746, 123.6679


 19.4619, 30.2757,
4.8180


 19.4619, 30.2757,
4.8180


 19.4619, 30.2767,
4.8182

 20.3033, 30.6991,
5.3700

 21.2776, 31.1807,
6.3516

 22.4203, 31.7357,
7.9406

 23.7472, 32.3708,
10.2152

 25.2718, 33.0914,
13.2420

■ 27.0062, 33.9024,
17.0797

■ 28.9615, 34.8083,
21.7812

■ 31.1475, 35.8132,
27.3949

■ 33.5738, 36.9211,
33.9655

Harmonies

Analogous

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



27.8202, 30.2757, 2.7581



19.4619, 30.2757, 4.8180



14.7059, 30.2757, 13.5176

Triad

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



19.4619, 30.2757, 4.8180



20.7807, 30.2757, 111.5346



52.9047, 30.2757, 30.2733

Complementary

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



19.4619, 30.2757, 4.8180



8.8090, 3.7463, 36.3370

Split Complementary

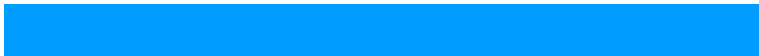
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.7871, 30.2757, 65.4833



19.4619, 30.2757, 4.8180



29.7537, 30.2757, 125.7822

Square

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



19.4619, 30.2757, 4.8180



15.3325, 30.2757, 73.3571



40.6696, 30.2757, 105.4105



48.4069, 30.2757, 11.0399

Rectangle

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



19.4619, 30.2757, 4.8180



13.4688, 30.2757, 26.5047



40.6696, 30.2757, 105.4105



52.7139, 30.2757, 40.3983

Sweetspot

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



19.4626, 30.2770, 4.8187



52.3481, 63.0730, 39.0031



17.3889, 11.4317, 1.2904



11.3834, 13.9614, 7.9184



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.4626, 30.2770, 4.8187



35.0799, 54.8230, 8.7330



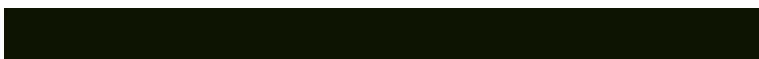
13.9711, 27.4460, 4.5617



7.8755, 8.6339, 8.0407



15.1437, 23.5041, 3.7386



0.4218, 0.5994, 0.0935

Inverse Universe

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



8.8090, 3.7463, 36.3370



15.7715, 6.6874, 65.9348



18.3626, 8.6713, 36.7841



7.3825, 7.4298, 9.4633



6.8779, 2.9291, 28.1784



0.2237, 0.1003, 0.6882

Previews

White Background



This preview shows how the XYZ color 19.4619, 30.2757, 4.8180 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.4619, 30.2757, 4.8180 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 ✓ Pass

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

XYZ 19.4619, 30.2757, 4.8180

Background



This preview shows how black text looks on a background with the XYZ color 19.4619, 30.2757, 4.8180.



This preview shows how white text looks on a background with the XYZ color 19.4619, 30.2757,

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

19.4619, 30.2757, 4.8180

Protanopia

26.8959, 29.8197, 4.3382

Deuteranopia

30.5246, 29.8454, 5.5184



Tritanopia

26.6990, 30.1122, 40.9643

Trichromacy



Original Color

19.4619, 30.2757, 4.8180

Protanomaly

23.3984, 29.4624, 4.4536

Deuteranomaly

25.1332, 29.1323, 4.9603

Tritanomaly

22.0308, 29.2073, 18.1121

Monochromacy



Original Color

19.4619, 30.2757, 4.8180

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

18.9417, 23.9483, 11.6068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4619, 30.2757, 4.8180 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(105, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 166, 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(105, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4619, 30.2757, 4.8180 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(105, 166, 0) }
```


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

```
.border{ border-color:rgb(105, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(105, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4619, 30.2757, 4.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 166, 0) }
```

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

```
.background{ background-color: rgb(105,  
166, 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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