

Converting Colors

XYZ(18.4794, 29.9178, 2.1187)

Have a look what the booklet for
XYZ(18.4794, 29.9178, 2.1187)
contains.

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Color

**XYZ(18.8917, 29.9818,
4.7914)**

Conversions

Conversions Part 1

Format	Color
Hex	64A600
RGB	100, 166, 0
RGB Percent	39%, 65%, 0%
CMY	0.6078, 0.3490, 0.9999
CMYK	0.40, 0.00, 1.00, 0.35
HSL	84°, 100%, 33%
HSV	84°, 100%, 65%
XYZ	18.8917, 29.9818, 4.7914
YIQ	127.3420, 13.9500, -65.6180

Conversions

Conversions Part 2

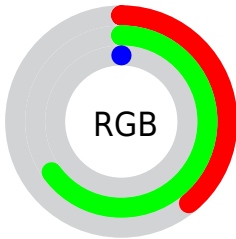
Format	Color
RYB	0, 166, 66
Decimal	6596096
CIELab	61.64, -42.85, 63.25
CIELCh	62, 76.399, 124.118
Yxy	29.9818, 0.3520, 0.5587
Android (android.graphics.Color)	4284786176 (0xFF64A600)
YUV	127.3420, -62.7796, -23.9789
Hunter-Lab	54.7556, -34.2366, 33.1408

Details

The XYZ color **18.8917, 29.9818, 4.7914** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.1317, 3.9127, 36.3521**, and the grayscale version is **20.4980, 21.5655, 23.4848**.

A 20% lighter version of the original color is **41.2619, 59.9051, 15.8667**, and **6.8196, 12.2817, 2.0112** is the 20% darker color. If you saturate the color by 10%, you get **18.8916, 29.9827, 4.7916**, and if you desaturate by 10%, it is **19.7505, 30.4142, 5.3443**.

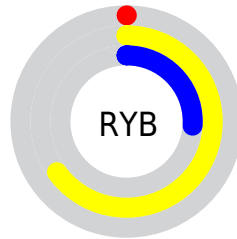
Distribution



Red (39%)

Green (65%)

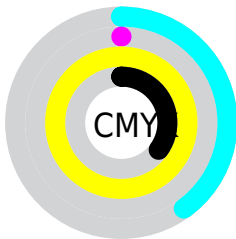
Blue (0%)



Red (0%)

Yellow (65%)

Blue (26%)

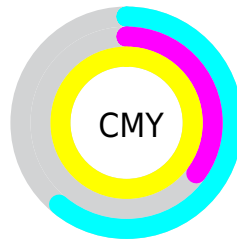


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (61%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8917, 29.9818, 4.7914 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 18.8917, 29.9818, 4.7914 by changing the saturation by 10% instead.

■ 18.8917, 29.9818,
4.7914

■ 18.8917, 29.9818,
4.7914

238.7998,
301.8196, 156.6529

■ 11.6956, 19.8248,
2.0688

■ 41.0693, 59.6334,
15.7973

■ 6.6075, 12.2677,
0.5971

■ 56.7815, 79.8968,
24.9178

■ 3.2620, 6.9263,
0.0000

■ 76.0631, 104.2977,
37.0079

■ 1.2938, 3.4160,
0.0000

■ 99.2795, 133.2206,
52.4863

■ 0.1786, 1.3526,
0.0000

■ 126.7960,
167.0498, 71.7714

■ 0.0000, 0.1814,
0.0000


■ 158.9780,


■ 0.0000, 0.0000,


206.1698, 95.2819


0.0000


 196.1908,
250.9649, 123.4362


 18.8917, 29.9818,
4.7914


 18.8917, 29.9818,
4.7914


 18.8916, 29.9827,
4.7916

 19.7505, 30.4142,
5.3443

 20.7504, 30.9089,
6.3272

 21.9270, 31.4815,
7.9178

 23.2964, 32.1385,
10.1945

 24.8725, 32.8855,
13.2239

■ 26.6676, 33.7278,
17.0646

■ 28.6929, 34.6698,
21.7695

■ 30.9587, 35.7159,
27.3870

■ 33.4746, 36.8700,
33.9620

Harmonies

Analogous

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



27.1182, 29.9818, 2.6088



18.8917, 29.9818, 4.7914



14.2971, 29.9818, 13.8194

Triad

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



18.8917, 29.9818, 4.7914



20.7979, 29.9818, 113.1767



52.7327, 29.9818, 28.7938

Complementary

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



18.8917, 29.9818, 4.7914



9.1317, 3.9127, 36.3521

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.



49.9098, 29.9818, 63.6288



18.8917, 29.9818, 4.7914



29.9213, 29.9818, 126.1562

Square

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



18.8917, 29.9818, 4.7914



15.2003, 29.9818, 75.1039



40.9054, 29.9818, 104.2298



47.9011, 29.9818, 10.2590

Rectangle

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



18.8917, 29.9818, 4.7914



13.1576, 29.9818, 27.2451



40.9054, 29.9818, 104.2298



52.6538, 29.9818, 38.7153

Sweetspot

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



18.8924, 29.9831, 4.7921



51.8524, 62.8174, 38.9799



17.5402, 11.7343, 1.3409



11.2606, 13.8981, 7.9126



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.



18.8924, 29.9831, 4.7921



34.0404, 54.2871, 8.6843



13.9131, 27.4162, 4.5590



7.8538, 8.6228, 8.0397



14.7025, 23.2766, 3.7179



0.4129, 0.5948, 0.0930

Inverse Universe

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



9.1317, 3.9127, 36.3521



16.3472, 6.9843, 65.9618



18.8514, 8.9233, 36.8070



7.4035, 7.4406, 9.4643



7.1299, 3.0590, 28.1902



0.2314, 0.1043, 0.6886

Previews

White Background



This preview shows how the XYZ color 18.8917, 29.9818, 4.7914 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 18.8917, 29.9818, 4.7914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

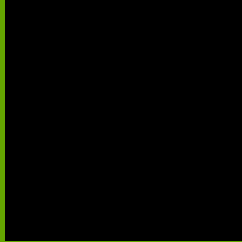
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8917, 29.9818, 4.7914

Background



This preview shows how black text looks on a background with the XYZ color 18.8917, 29.9818, 4.7914.



This preview shows how white text looks on a background with the XYZ color 18.8917, 29.9818,

4.7914.

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

18.8917, 29.9818, 4.7914

Protanopia

26.6838, 29.7104, 4.3283

Deuteranopia

30.2929, 29.7244, 5.5796



Tritanopia

26.1384, 29.8232, 40.9380

Trichromacy



Original Color

18.8917, 29.9818, 4.7914

Protanomaly

23.0490, 29.2823, 4.4372

Deuteranomaly

24.5593, 28.8354, 4.9808

Tritanomaly

21.5105, 28.9391, 18.0877

Monochromacy



Original Color

18.8917, 29.9818, 4.7914

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.3462, 23.4257, 11.3393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8917, 29.9818, 4.7914 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(100, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8917, 29.9818, 4.7914 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(100, 166, 0) }
```


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

```
.border{ border-color:rgb(100, 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(100, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8917, 29.9818, 4.7914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 166, 0) }
```

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

```
.background{ background-color: rgb(100,  
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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