

Converting Colors

XYZ(18.3774, 29.6492, 4.7543)

Have a look what the booklet for
XYZ(18.3774, 29.6492, 4.7543)
contains.

XYZ(18.4601, 29.7592, 4.7712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4601, 29.7592,
4.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	60A600
RGB	96, 166, 0
RGB Percent	38%, 65%, 0%
CMY	0.6235, 0.3490, 0.9999
CMYK	0.42, 0.00, 1.00, 0.35
HSL	85°, 100%, 33%
HSV	85°, 100%, 65%
XYZ	18.4601, 29.7592, 4.7712
YIQ	126.1460, 11.5660, -66.4660

Conversions

Conversions Part 2

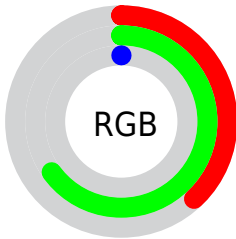
Format	Color
RYB	0, 166, 70
Decimal	6333952
CIELab	61.45, -44.26, 63.02
CIELCh	61, 77.008, 125.083
Yxy	29.7592, 0.3484, 0.5616
Android (android.graphics.Color)	4284524032 (0xFF60A600)
YUV	126.1460, -62.1900, -26.4380
Hunter-Lab	54.5520, -35.0626, 33.0008

Details

The XYZ color **18.4601, 29.7592, 4.7712** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.4107, 4.0565, 36.3650**, and the grayscale version is **20.0847, 21.1307, 23.0113**.

A 20% lighter version of the original color is **40.4942, 59.5093, 15.8307**, and **6.6327, 12.1853, 2.0024** is the 20% darker color. If you saturate the color by 10%, you get **18.4599, 29.7601, 4.7713**, and if you desaturate by 10%, it is **19.3287, 30.1966, 5.3245**.

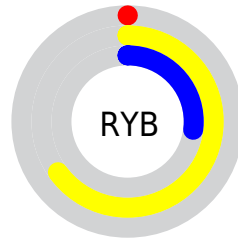
Distribution



Red (38%)

Green (65%)

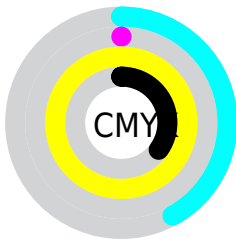
Blue (0%)



Red (0%)

Yellow (65%)

Blue (27%)

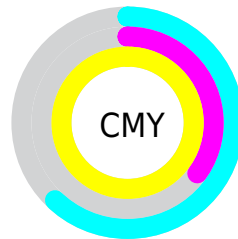


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (62%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4601, 29.7592, 4.7712 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 18.4601, 29.7592, 4.7712 by changing the saturation by 10% instead.

■ 18.4601, 29.7592,
4.7712

■ 18.4601, 29.7592,
4.7712

236.4475,
300.7804, 156.4462

■ 11.3825, 19.6559,
2.0573

■ 40.3437, 59.2812,
15.7526

■ 6.3939, 12.1452,
0.5902

■ 55.8805, 79.4686,
24.8571

■ 3.1290, 6.8426,
0.0000

■ 74.9677, 103.7862,
36.9289

■ 1.2223, 3.3639,
0.0000

■ 97.9707, 132.6183,
52.3866

■ 0.1239, 1.3245,
0.0000

■ 125.2548,
166.3494, 71.6486


■ 0.0000, 0.1601,
0.0000


■ 157.1854,


■ 0.0000, 0.0000,


205.3639, 95.1335


0.0000


 194.1278,
250.0461, 123.2598


 18.4601, 29.7592,
4.7712


 18.4601, 29.7592,
4.7712


 18.4599, 29.7601,
4.7713

 19.3287, 30.1966,
5.3245

 20.3451, 30.6998,
6.3082

 21.5452, 31.2845,
7.9000

 22.9454, 31.9574,
10.1782

 24.5598, 32.7242,
13.2093

■ 26.4009, 33.5902,
17.0522

■ 28.4803, 34.5601,
21.7596

■ 30.8085, 35.6383,
27.3801

■ 33.3952, 36.8289,
33.9584

Harmonies

Analogous

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



26.5862, 29.7592, 2.4971



18.4601, 29.7592, 4.7712



13.9874, 29.7592, 14.0575

Triad

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



18.4601, 29.7592, 4.7712



20.8136, 29.7592, 114.4751



52.6068, 29.7592, 27.6855

Complementary

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



18.4601, 29.7592, 4.7712



9.4107, 4.0565, 36.3650

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.



50.0114, 29.7592, 62.2258



18.4601, 29.7592, 4.7712



30.0551, 29.7592, 126.4643

Square

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



18.4601, 29.7592, 4.7712



15.1001, 29.7592, 76.4854



41.0939, 29.7592, 103.3363



47.5182, 29.7592, 9.6814

Rectangle

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



18.4601, 29.7592, 4.7712



12.9213, 29.7592, 27.8309



41.0939, 29.7592, 103.3363



52.6142, 29.7592, 37.4497

Sweetspot

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



18.4608, 29.7605, 4.7718



51.4607, 62.6155, 38.9615



17.8658, 12.3856, 1.4495



11.1637, 13.8482, 7.9081



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.



18.4608, 29.7605, 4.7718



33.2553, 53.8823, 8.6476



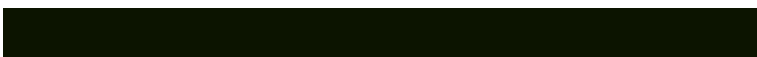
13.8157, 27.3659, 4.5545



7.8365, 8.6138, 8.0389



14.3683, 23.1044, 3.7023



0.4061, 0.5912, 0.0927

Inverse Universe

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



9.4107, 4.0565, 36.3650



16.8471, 7.2419, 65.9852



19.8644, 9.4456, 36.8542



7.4205, 7.4494, 9.4651



7.3476, 3.1713, 28.2003



0.2376, 0.1075, 0.6889

Previews

White Background



This preview shows how the XYZ color 18.4601, 29.7592, 4.7712 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 18.4601, 29.7592, 4.7712 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 18.4601, 29.7592, 4.7712

Background



This preview shows how black text looks on a background with the XYZ color 18.4601, 29.7592, 4.7712.



This preview shows how white text looks on a background with the XYZ color 18.4601, 29.7592,

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

18.4601, 29.7592, 4.7712

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

29.9023, 29.3051, 5.5193



Tritanopia

25.6009, 29.5461, 40.9129

Trichromacy



Original Color

18.4601, 29.7592, 4.7712

Protanomaly

22.7058, 29.1054, 4.4212

Deuteranomaly

24.0197, 28.3213, 4.9101

Tritanomaly

21.0127, 28.6825, 18.0645

Monochromacy



Original Color

18.4601, 29.7592, 4.7712

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.0431, 23.2738, 11.1307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4601, 29.7592, 4.7712 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(96, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4601, 29.7592, 4.7712 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(96, 166, 0) }
```


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

```
.border{ border-color:rgb(96, 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(96, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 166, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4601, 29.7592, 4.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 166, 0) }
```

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

```
.background{ background-color: rgb(96, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor