

Converting Colors

XYZ(16.1570, 30.6267, 5.0600)

Have a look what the booklet for
XYZ(16.1570, 30.6267, 5.0600)
contains.

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Color

**XYZ(16.0703, 30.4680,
5.0339)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2EAD00 |
| RGB | 46, 173, 0 |
| RGB Percent | 18%, 68%, 0% |
| CMY | 0.8196, 0.3216, 0.9999 |
| CMYK | 0.73, 0.00, 1.00, 0.32 |
| HSL | 104°, 100%, 34% |
| HSV | 104°, 100%, 68% |
| XYZ | 16.0703, 30.4680, 5.0339 |
| YIQ | 115.3050, -20.1590, -80.7270 |

Conversions

Conversions Part 2

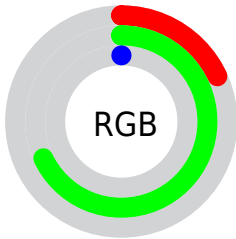
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 173, 127 |
| Decimal | 3058944 |
| CIELab | 62.06, -59.97, 62.80 |
| CIELCh | 62, 86.831, 133.679 |
| Yxy | 30.4680, 0.3116, 0.5908 |
| Android (android.graphics.Color) | 4281249024 (0xFF2EAD00) |
| YUV | 115.3050, -56.8454, -60.7805 |
| Hunter-Lab | 55.1978, -44.6277, 33.2314 |

Details

The XYZ color **16.0703, 30.4680, 5.0339** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.2985, 7.5311, 40.1314**, and the grayscale version is **16.5616, 17.4241, 18.9748**.

A 20% lighter version of the original color is **36.3769, 60.6123, 16.4387**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **16.0704, 30.4690, 5.0341**, and if you desaturate by 10%, it is **16.8339, 30.8506, 5.6109**.

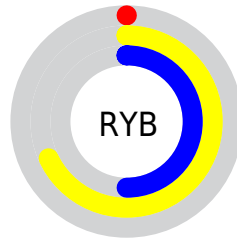
Distribution



Red (18%)

Green (68%)

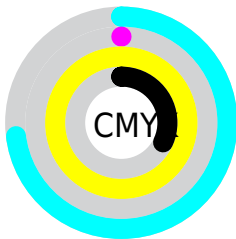
Blue (0%)



Red (0%)

Yellow (68%)

Blue (50%)

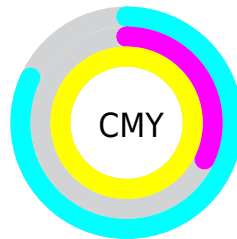


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (82%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0703, 30.4680, 5.0339 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 16.0703, 30.4680, 5.0339 by changing the saturation by 10% instead.


 16.0703, 30.4680,
5.0339


 16.0703, 30.4680,
5.0339


223.0184,
304.0799, 159.1044


 9.6651, 20.1941,
2.2081


 36.2767, 60.4015,
16.3316


 5.2380, 12.5362,
0.6790


 50.8085, 80.8299,
25.6406


 2.4238, 7.1100,
0.0000


 68.7800, 105.4119,
37.9478

 0.8570, 3.5310,
0.0000

 90.5563, 134.5319,
53.6716

 0.0000, 1.4148,
0.0000

 116.5030,
168.5743, 73.2306


 0.0000, 0.2276,
0.0000


 146.9854,


 0.0000, 0.0000,


207.9235, 97.0434


0.0000


 182.3687,
252.9639, 125.5285


 16.0703, 30.4680,
5.0339


 16.0703, 30.4680,
5.0339


 16.0704, 30.4690,
5.0341

 16.8339, 30.8506,
5.6109

 17.8701, 31.3624,
6.6721

 19.2277, 32.0252,
8.4071

 20.9342, 32.8515,
10.9032

 23.0141, 33.8521,
14.2349

■ 25.4893, 35.0370,
18.4676

■ 28.3799, 36.4152,
23.6602

■ 31.7046, 37.9953,
29.8667

■ 35.4811, 39.7851,
37.1370

Harmonies

Analogous

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



23.9737, 30.4680, 1.7229



16.0703, 30.4680, 5.0339



12.3307, 30.4680, 18.2036

Triad

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



16.0703, 30.4680, 5.0339



23.1041, 30.4680, 140.8344



56.6638, 30.4680, 20.1883

Complementary

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



16.0703, 30.4680, 5.0339



16.2985, 7.5311, 40.1314

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.



56.2463, 30.4680, 54.6889



16.0703, 30.4680, 5.0339



34.5914, 30.4680, 142.8529

Square

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



16.0703, 30.4680, 5.0339



15.5817, 30.4680, 100.2165



47.3673, 30.4680, 104.6551



48.3894, 30.4680, 5.6533

Rectangle

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



16.0703, 30.4680, 5.0339



11.8518, 30.4680, 37.4678



47.3673, 30.4680, 104.6551



57.5914, 30.4680, 29.2223

Sweetspot

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



16.0710, 30.4693, 5.0346



50.5296, 65.0747, 41.8316



24.8074, 24.0307, 3.3313



10.5070, 13.9163, 8.2304



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.0710, 30.4693, 5.0346



28.6058, 54.4764, 9.0073



15.3339, 30.0443, 7.0324



8.0968, 9.0385, 8.5312



11.8531, 22.4076, 3.7004



0.3818, 0.6502, 0.1054

Inverse Universe

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



16.2985, 7.5311, 40.1314



28.9737, 13.3760, 71.8605



21.4432, 10.5685, 22.9697



8.1262, 8.0394, 10.0762



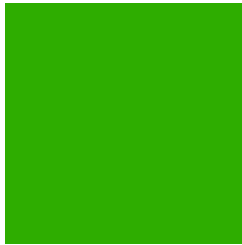
12.0287, 5.5609, 29.4839



0.3826, 0.1794, 0.8225

Previews

White Background



This preview shows how the XYZ color 16.0703, 30.4680, 5.0339 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 16.0703, 30.4680, 5.0339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

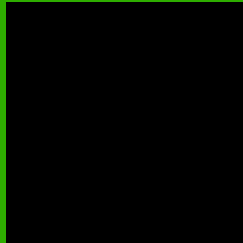
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.0703, 30.4680, 5.0339

Background



This preview shows how black text looks on a background with the XYZ color 16.0703, 30.4680, 5.0339.



This preview shows how white text looks on a background with the XYZ color 16.0703, 30.4680,

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

16.0703, 30.4680, 5.0339

Protanopia

26.8959, 29.8197, 4.3382

Deuteranopia

30.3523, 29.7481, 5.8925



Tritanopia

24.0410, 30.4305, 44.6510

Trichromacy



Original Color

16.0703, 30.4680, 5.0339



Protanomaly

20.5390, 28.7388, 4.4646



Deuteranomaly

21.7094, 28.0827, 5.1404



Tritanomaly

18.8502, 29.3601, 19.7125

Monochromacy



Original Color

16.0703, 30.4680, 5.0339



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.2232, 20.2630, 9.4648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0703, 30.4680, 5.0339 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(46, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 173, 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(46, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.0703, 30.4680, 5.0339 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(46, 173, 0) }
```


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

```
.border{ border-color:rgb(46, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 173, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0703, 30.4680, 5.0339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 173, 0) }
```

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

```
.background{ background-color: rgb(46, 173,  
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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