

Converting Colors

XYZ(16.0136, 31.8552, 5.8681)

Have a look what the booklet for
XYZ(16.0136, 31.8552, 5.8681)
contains.

XYZ(16.0296, 31.8845, 5.8817)	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(16.0296, 31.8845,
5.8817)**

Conversions

Conversions Part 1

Format	Color
Hex	00B212
RGB	0, 178, 18
RGB Percent	0%, 70%, 7%
CMY	1.0000, 0.3019, 0.9294
CMYK	1.00, 0.00, 0.90, 0.30
HSL	126°, 100%, 35%
HSV	126°, 100%, 70%
XYZ	16.0296, 31.8845, 5.8817
YIQ	106.5380, -54.7280, -87.4960

Conversions

Conversions Part 2

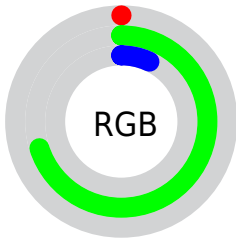
Format	Color
RYB	0, 162, 178
Decimal	45586
CIELab	63.25, -65.34, 61.03
CIELCh	63, 89.406, 136.952
Yxy	31.8845, 0.2980, 0.5927
Android (android.graphics.Color)	4278235666 (0xFF00B212)
YUV	106.5380, -43.6492, -93.4338
Hunter-Lab	56.4664, -48.1438, 33.3506

Details

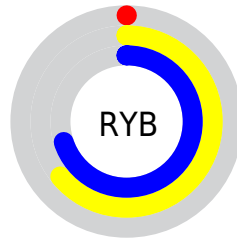
The XYZ color **16.0296, 31.8845, 5.8817** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **24.7055, 12.0033, 34.2699**, and the grayscale version is **13.9760, 14.7038, 16.0124**.

A 20% lighter version of the original color is **36.1611, 62.5672, 18.1534**, and **7.0830, 14.1659, 2.3610** is the 20% darker color. If you saturate the color by 10%, you get **16.0303, 31.8858, 5.8824**, and if you desaturate by 10%, it is **16.4557, 32.0844, 6.8397**.

Distribution



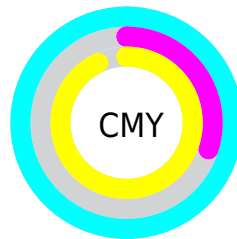
- Red (0%)
- Green (70%)
- Blue (7%)



- Red (0%)
- Yellow (64%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0296, 31.8845, 5.8817 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 16.0296, 31.8845, 5.8817 by changing the saturation by 10% instead.


 16.0296, 31.8845,
5.8817


 16.0296, 31.8845,
5.8817


222.7833,
310.5928, 167.2799


 9.6361, 21.2733,
2.7057


 36.2066, 62.6300,
18.1583


 5.2187, 13.3239,
0.9463


 50.7208, 83.5330,
28.0959


 2.4122, 7.6520,
0.0000


 68.6726, 108.6355,
41.1244

 0.8512, 3.8731,
0.0000

 90.4274, 138.3218,
57.6624

 0.0000, 1.6028,
0.0000

 116.3505,
172.9762, 78.1284

 0.0000, 0.3595,
0.0000

 146.8073,

 0.0000, 0.0000,

212.9833, 102.9410

0.0000

182.1631,
258.7274, 132.5186

■ 16.0296, 31.8845,
5.8817

■ 16.0296, 31.8845,
5.8817

■ 16.0303, 31.8858,
5.8824

■ 16.4557, 32.0844,
6.8397

■ 17.2107, 32.4404,
8.3732

■ 18.3941, 33.0034,
10.5565

■ 20.0578, 33.7987,
13.4510

■ 22.2462, 34.8481,
17.1111

■ 24.9986, 36.1708,
21.5858

■ 28.3505, 37.7842,
26.9203

■ 32.3347, 39.7042,
33.1561

■ 36.9813, 41.9456,
40.3322

Harmonies

Analogous

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



23.8831, 31.8845, 1.8174



16.0296, 31.8845, 5.8817



12.5320, 31.8845, 21.4916

Triad

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



16.0296, 31.8845, 5.8817



25.2440, 31.8845, 152.4214



59.2420, 31.8845, 18.3962

Complementary

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



16.0296, 31.8845, 5.8817



24.7055, 12.0033, 34.2699

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.



59.9004, 31.8845, 52.4881



16.0296, 31.8845, 5.8817



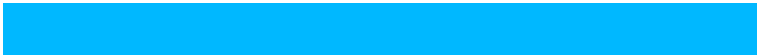
37.7864, 31.8845, 149.2224

Square

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



16.0296, 31.8845, 5.8817



16.7910, 31.8845, 112.1309



51.2333, 31.8845, 105.1100



49.6239, 31.8845, 4.9328

Rectangle

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



16.0296, 31.8845, 5.8817



12.2896, 31.8845, 43.6360



51.2333, 31.8845, 105.1100



60.5952, 31.8845, 27.1042

Sweetspot

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



16.0303, 31.8858, 5.8824



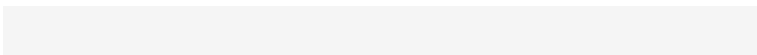
51.0659, 68.3510, 48.2735



30.4589, 39.3366, 5.9874



10.7274, 14.8609, 9.7661



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.0303, 31.8858, 5.8824



29.0302, 57.8052, 10.4634



18.5645, 32.8995, 19.2273



8.4228, 9.5036, 9.2199



11.4809, 22.8183, 4.2693



0.3726, 0.7225, 0.1939

Inverse Universe

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



24.7055, 12.0033, 34.2699



44.7507, 21.7465, 61.8835



19.5047, 9.9229, 6.8826



8.8122, 8.6316, 10.5097



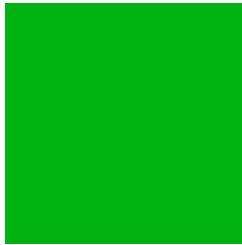
17.6897, 8.5934, 24.5895



0.5672, 0.2746, 0.8295

Previews

White Background



This preview shows how the XYZ color 16.0296, 31.8845, 5.8817 looks on a white background.

Color Contrast Check

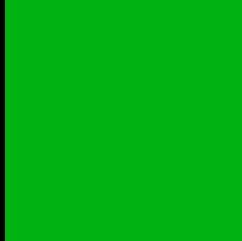
Large Text (above 18pt) WCAG AA × Fail

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 16.0296, 31.8845, 5.8817 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 16.0296, 31.8845, 5.8817

Background



This preview shows how black text looks on a background with the XYZ color 16.0296, 31.8845, 5.8817.

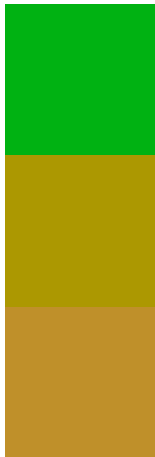


This preview shows how white text looks on a background with the XYZ color 16.0296, 31.8845,

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

16.0296, 31.8845, 5.8817

Protanopia

28.2470, 31.2293, 4.5678

Deuteranopia

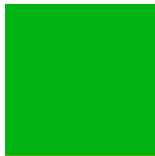
31.8770, 31.1901, 6.5307



Tritanopia

24.6746, 32.0230, 47.5284

Trichromacy



Original Color

16.0296, 31.8845, 5.8817



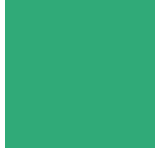
Protanomaly

19.0899, 28.7563, 4.7454



Deuteranomaly

20.1890, 28.0243, 5.7840



Tritanomaly

18.9838, 30.7339, 22.7010

Monochromacy



Original Color

16.0296, 31.8845, 5.8817



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0414, 18.5120, 9.5951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0296, 31.8845, 5.8817 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(0, 178, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 18)  
}
```

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(0, 178, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 18) }
```

Border

The CSS property to change the border of an element to XYZ 16.0296, 31.8845, 5.8817 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(0, 178, 18) }
```


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

```
.border{ border-color:rgb(0, 178, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 178, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0296, 31.8845, 5.8817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 18) }
```

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

```
.background{ background-color: rgb(0, 178,  
18) }
```

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