

Converting Colors

XYZ(10.7443, 30.4025, 5.9055)

Have a look what the booklet for
XYZ(10.7443, 30.4025, 5.9055)
contains.

XYZ(16.8455, 33.5029, 6.1950)	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(16.8455, 33.5029,
6.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	00B613
RGB	0, 182, 19
RGB Percent	0%, 71%, 7%
CMY	1.0000, 0.2863, 0.9254
CMYK	1.00, 0.00, 0.90, 0.29
HSL	126°, 100%, 36%
HSV	126°, 100%, 71%
XYZ	16.8455, 33.5029, 6.1950
YIQ	109.0000, -56.1490, -89.2770

Conversions

Conversions Part 2

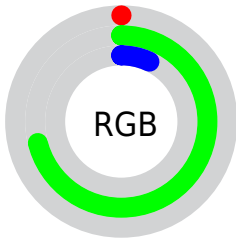
Format	Color
RYB	0, 165, 182
Decimal	46611
CIELab	64.57, -66.41, 61.98
CIELCh	65, 90.842, 136.975
Yxy	33.5029, 0.2979, 0.5925
Android (android.graphics.Color)	4278236691 (0xFF00B613)
YUV	109.0000, -44.3700, -95.5930
Hunter-Lab	57.8817, -49.3435, 34.1715

Details

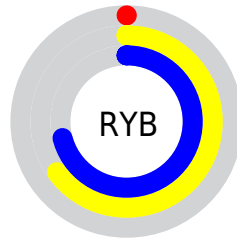
The XYZ color **16.8455, 33.5029, 6.1950** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.9023, 12.5896, 35.7113**, and the grayscale version is **14.6703, 15.4343, 16.8080**.

A 20% lighter version of the original color is **37.4648, 64.9542, 18.7464**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **16.8463, 33.5043, 6.1957**, and if you desaturate by 10%, it is **17.2899, 33.7110, 7.2101**.

Distribution



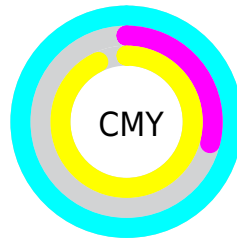
- Red (0%)
- Green (71%)
- Blue (7%)



- Red (0%)
- Yellow (65%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8455, 33.5029, 6.1950 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 16.8455, 33.5029, 6.1950 by changing the saturation by 10% instead.


 16.8455, 33.5029,
6.1950


 16.8455, 33.5029,
6.1950


227.4541,
317.9098, 170.1652


 10.2190, 22.5120,
2.8933


 37.6057, 65.1599,
18.8189


 5.6078, 14.2336,
1.0404


 52.4700, 86.5947,
28.9782

 2.6465, 8.2833,
0.0000


 70.8111, 112.2797,
42.2605

 0.9697, 4.2768,
0.0000

 92.9942, 142.5991,
59.0843

 0.0000, 1.8296,
0.0000

 119.3847,
177.9375, 79.8681

 0.0000, 0.5055,
0.0000

 150.3480,

 0.0000, 0.0000,

218.6791, 105.0305

0.0000

186.2493,
265.2084, 134.9900

■ 16.8455, 33.5029,
6.1950

■ 16.8455, 33.5029,
6.1950

■ 16.8463, 33.5043,
6.1957

■ 17.2899, 33.7110,
7.2101

■ 18.0814, 34.0840,
8.8290

■ 19.3231, 34.6745,
11.1289

■ 21.0698, 35.5094,
14.1741

■ 23.3682, 36.6115,
18.0212

■ 26.2599, 38.0012,
22.7214

■ 29.7823, 39.6967,
28.3216

■ 33.9697, 41.7149,
34.8655

■ 38.8540, 44.0713,
42.3936

Harmonies

Analogous

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



25.0907, 33.5029, 1.9162



16.8455, 33.5029, 6.1950



13.1744, 33.5029, 22.6092

Triad

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



16.8455, 33.5029, 6.1950



26.5367, 33.5029, 160.0704



62.2236, 33.5029, 19.3198

Complementary

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



16.8455, 33.5029, 6.1950



25.9023, 12.5896, 35.7113

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.



62.9228, 33.5029, 55.1039



16.8455, 33.5029, 6.1950



39.7107, 33.5029, 156.6733

Square

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



16.8455, 33.5029, 6.1950



17.6546, 33.5029, 117.8008



53.8289, 33.5029, 110.3445



52.1193, 33.5029, 5.1859

Rectangle

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



16.8455, 33.5029, 6.1950



12.9217, 33.5029, 45.8781



53.8289, 33.5029, 110.3445



63.6469, 33.5029, 28.4602

Sweetspot

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



16.8463, 33.5043, 6.1958



53.6397, 71.7969, 50.7881



31.9978, 41.3288, 6.2908



11.2283, 15.5596, 10.2376



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.8463, 33.5043, 6.1958



30.5007, 60.7245, 11.0203



19.4999, 34.5657, 20.1693



8.9275, 10.0750, 9.7754



11.9085, 23.6643, 4.4400



0.4325, 0.8393, 0.2233

Inverse Universe

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



25.9023, 12.5896, 35.7113



46.9066, 22.8029, 64.4667



20.4882, 10.4239, 7.2012



9.3394, 9.1461, 11.1348



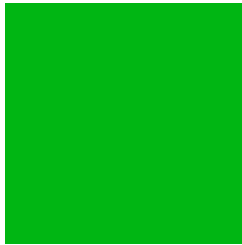
18.3057, 8.8960, 25.2941



0.6570, 0.3183, 0.9533

Previews

White Background



This preview shows how the XYZ color 16.8455, 33.5029, 6.1950 looks on a white background.

Color Contrast Check

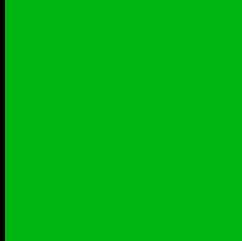
Large Text (above 18pt) WCAG AA × Fail

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 16.8455, 33.5029, 6.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

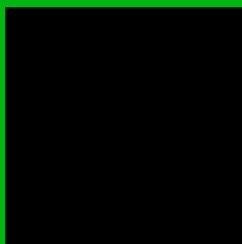
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.8455, 33.5029, 6.1950

Background



This preview shows how black text looks on a background with the XYZ color 16.8455, 33.5029, 6.1950.



This preview shows how white text looks on a background with the XYZ color 16.8455, 33.5029,

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

16.8455, 33.5029, 6.1950

Protanopia

29.5951, 32.9019, 4.9344

Deuteranopia

33.5316, 32.9563, 6.8794



Tritanopia

25.7157, 33.3313, 49.8780

Trichromacy



Original Color

16.8455, 33.5029, 6.1950



Protanomaly

20.0655, 30.3117, 5.0803



Deuteranomaly

21.1717, 29.5422, 6.0997



Tritanomaly

19.9301, 32.3305, 23.9289

Monochromacy



Original Color

16.8455, 33.5029, 6.1950



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.5629, 19.3953, 9.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8455, 33.5029, 6.1950 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, 182, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 19)  
}
```

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, 182, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 19) }
```

Border

The CSS property to change the border of an element to XYZ 16.8455, 33.5029, 6.1950 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, 182, 19) }
```


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

```
.border{ border-color:rgb(0, 182, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 182, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8455, 33.5029, 6.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 19) }
```

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

```
.background{ background-color: rgb(0, 182,  
19) }
```

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