

Converting Colors

XYZ(16.5340, 33.0681, 5.5114)

Have a look what the booklet for
XYZ(16.5340, 33.0681, 5.5114)
contains.

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Color

**XYZ(16.5239, 33.0477,
5.5080)**

Conversions

Conversions Part 1

Format	Color
Hex	00B500
RGB	0, 181, 0
RGB Percent	0%, 71%, 0%
CMY	1.0000, 0.2902, 0.9999
CMYK	1.00, 0.00, 1.00, 0.29
HSL	120°, 100%, 35%
HSV	120°, 100%, 71%
XYZ	16.5239, 33.0477, 5.5080
YIQ	106.2470, -49.7750, -94.6630

Conversions

Conversions Part 2

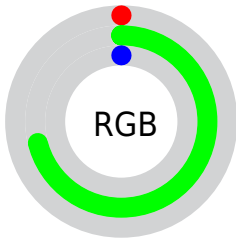
Format	Color
RYB	0, 181, 181
Decimal	46336
CIELab	64.20, -66.63, 64.31
CIELCh	64, 92.601, 136.016
Yxy	33.0477, 0.3000, 0.6000
Android (android.graphics.Color)	4278236416 (0xFF00B500)
YUV	106.2470, -52.3798, -93.1786
Hunter-Lab	57.4871, -49.2951, 34.5603

Details

The XYZ color **16.5239, 33.0477, 5.5080** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.3960, 13.1599, 44.8056**, and the grayscale version is **13.9183, 14.6431, 15.9464**.

A 20% lighter version of the original color is **37.0246, 64.3235, 17.3018**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.5246, 33.0490, 5.5086**, and if you desaturate by 10%, it is **16.8861, 33.2227, 6.1000**.

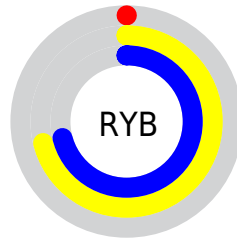
Distribution



Red (0%)

Green (71%)

Blue (0%)



Red (0%)

Yellow (71%)

Blue (71%)

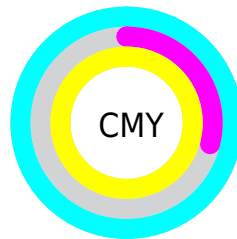


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (100%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5239, 33.0477, 5.5080 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 16.5239, 33.0477, 5.5080 by changing the saturation by 10% instead.


 16.5239, 33.0477,
5.5080


 16.5239, 33.0477,
5.5080


225.6237,
315.8646, 163.7467


 9.9888, 22.1630,
2.4844


 37.0555, 64.4500,
17.3605


 5.4538, 13.9767,
0.8319


 51.7827, 85.7364,
27.0265


 2.5533, 8.1045,
0.0000


 69.9714, 111.2587,
39.7437

 0.9222, 4.1619,
0.0000

 91.9869, 141.4015,
55.9306

 0.0000, 1.7645,
0.0000

 118.1945,
176.5491, 76.0059


 0.0000, 0.4649,
0.0000


 148.9596,


 0.0000, 0.0000,


217.0859, 100.3880


0.0000


 184.6476,
263.3963, 129.4954


 16.5239, 33.0477,
5.5080

 16.5239, 33.0477,
5.5080

 16.5246, 33.0490,
5.5086

 16.8861, 33.2227,
6.1000

 17.5810, 33.5565,
7.2370

 18.7356, 34.1111,
9.1257

 20.4106, 34.9157,
11.8658

 22.6578, 35.9951,
15.5415

■ 25.5224, 37.3711,
20.2271

■ 29.0452, 39.0633,
25.9893

■ 33.2638, 41.0897,
32.8893

■ 38.2125, 43.4668,
40.9834

Harmonies

Analogous

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



24.9484, 33.0477, 1.6277



16.5239, 33.0477, 5.5080



12.7318, 33.0477, 21.1883

Triad

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



16.5239, 33.0477, 5.5080



25.6973, 33.0477, 161.5943



62.4568, 33.0477, 19.4959

Complementary

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



16.5239, 33.0477, 5.5080



27.3960, 13.1599, 44.8056

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.



62.8239, 33.0477, 56.4326



16.5239, 33.0477, 5.5080



38.9028, 33.0477, 159.7950

Square

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



16.5239, 33.0477, 5.5080



16.9398, 33.0477, 117.0912



53.2994, 33.0477, 113.1555



52.4040, 33.0477, 5.0054

Rectangle

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



16.5239, 33.0477, 5.5080



12.4011, 33.0477, 44.1042



53.2994, 33.0477, 113.1555



63.7957, 33.0477, 28.9260

Sweetspot

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



16.5247, 33.0491, 5.5087



51.6705, 69.7923, 45.9770



35.5813, 42.8731, 6.4001



10.5762, 14.8004, 8.9695



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.



16.5247, 33.0491, 5.5087



29.5940, 59.1879, 9.8652



18.3915, 33.7958, 15.3396



8.3890, 9.4901, 9.0423



11.3913, 22.7825, 3.7975



0.3584, 0.7168, 0.1195

Inverse Universe

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



27.3960, 13.1599, 44.8056



49.0638, 23.5681, 80.2426



20.9238, 10.5710, 10.7233



8.8500, 8.6467, 10.7087



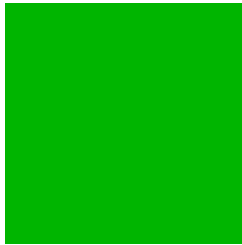
18.8856, 9.0718, 30.8870



0.5942, 0.2854, 0.9719

Previews

White Background



This preview shows how the XYZ color 16.5239, 33.0477, 5.5080 looks on a white background.

Color Contrast Check

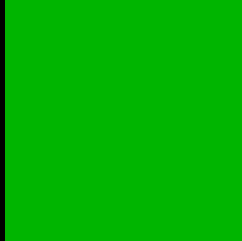
Large Text (above 18pt) WCAG AA × Fail

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 16.5239, 33.0477, 5.5080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

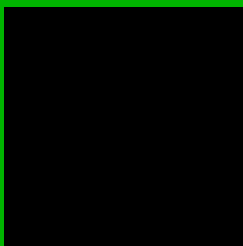
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.5239, 33.0477, 5.5080

Background



This preview shows how black text looks on a background with the XYZ color 16.5239, 33.0477, 5.5080.



This preview shows how white text looks on a background with the XYZ color 16.5239, 33.0477,

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

16.5239, 33.0477, 5.5080

Protanopia

29.1769, 32.4414, 4.7240

Deuteranopia

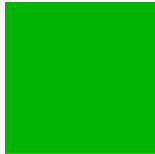
33.0481, 32.4833, 6.4475



Tritanopia

25.4266, 32.9192, 49.2699

Trichromacy



Original Color

16.5239, 33.0477, 5.5080



Protanomaly

19.8310, 29.9304, 4.7319



Deuteranomaly

20.7420, 29.0774, 5.4390



Tritanomaly

19.3149, 31.7765, 21.6385

Monochromacy



Original Color

16.5239, 33.0477, 5.5080



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

11.7154, 18.3736, 8.2392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5239, 33.0477, 5.5080 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, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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(0, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5239, 33.0477, 5.5080 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, 181, 0) }
```


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

```
.border{ border-color:rgb(0, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 181, 0); box-shadow:4px  
4px 4px 4px rgb(0, 181, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5239, 33.0477, 5.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 0) }
```

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

```
.background{ background-color: rgb(0, 181,  
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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