

Converting Colors

XYZ(15.5527, 33.0368, 5.2643)

Have a look what the booklet for
XYZ(15.5527, 33.0368, 5.2643)
contains.

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Color

**XYZ(16.9335, 33.8670,
5.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	00B700
RGB	0, 183, 0
RGB Percent	0%, 72%, 0%
CMY	1.0000, 0.2823, 0.9999
CMYK	1.00, 0.00, 1.00, 0.28
HSL	120°, 100%, 36%
HSV	120°, 100%, 72%
XYZ	16.9335, 33.8670, 5.6445
YIQ	107.4210, -50.3250, -95.7090

Conversions

Conversions Part 2

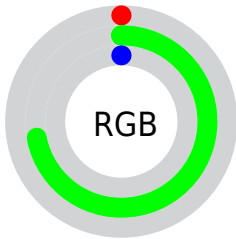
Format	Color
RYB	0, 183, 183
Decimal	46848
CIELab	64.86, -67.18, 64.83
CIELCh	65, 93.360, 136.016
Yxy	33.8670, 0.3000, 0.6000
Android (android.graphics.Color)	4278236928 (0xFF00B700)
YUV	107.4210, -52.9586, -94.2082
Hunter-Lab	58.1954, -49.9025, 34.9861

Details

The XYZ color **16.9335, 33.8670, 5.6445** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.0749, 13.4860, 45.9148**, and the grayscale version is **14.2464, 14.9883, 16.3223**.

A 20% lighter version of the original color is **37.6452, 65.5086, 17.6815**, and **7.7192, 15.4383, 2.5731** is the 20% darker color. If you saturate the color by 10%, you get **16.9343, 33.8684, 5.6453**, and if you desaturate by 10%, it is **17.3011, 34.0446, 6.2454**.

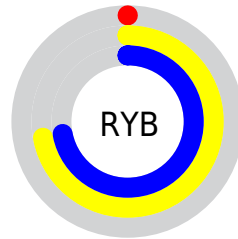
Distribution



Red (0%)

Green (72%)

Blue (0%)



Red (0%)

Yellow (72%)

Blue (72%)

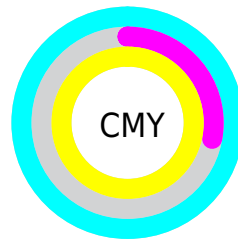


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (100%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9335, 33.8670, 5.6445 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 16.9335, 33.8670, 5.6445 by changing the saturation by 10% instead.


 16.9335, 33.8670,
5.6445


 16.9335, 33.8670,
5.6445


227.9526,
319.5386, 165.0494


 10.2821, 22.7914,
2.5649


 37.7559, 65.7268,
17.6532


 5.6501, 14.4396,
0.8742


 52.6576, 87.2798,
27.4193


 2.6721, 8.4270,
0.0000


 71.0402, 113.0941,
40.2514

 0.9828, 4.3694,
0.0000

 93.2689, 143.5541,
56.5679

 0.0000, 1.8823,
0.0000

 119.7091,
179.0441, 76.7874

 0.0000, 0.5377,
0.0000

 150.7263,

 0.0000, 0.0000,

219.9486, 101.3285

0.0000

186.6856,
266.6520, 130.6097

■ 16.9335, 33.8670,
5.6445

■ 16.9335, 33.8670,
5.6445

■ 16.9343, 33.8684,
5.6453

■ 17.3011, 34.0446,
6.2454

■ 18.0108, 34.3855,
7.4066

■ 19.1918, 34.9528,
9.3387

■ 20.9068, 35.7766,
12.1440

■ 23.2086, 36.8823,
15.9093

■ 26.1441, 38.2923,
20.7107

■ 29.7551, 40.0269,
26.6170

■ 34.0800, 42.1043,
33.6909

■ 39.1542, 44.5418,
41.9904

Harmonies

Analogous

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



25.5668, 33.8670, 1.6680



16.9335, 33.8670, 5.6445



13.0473, 33.8670, 21.7136

Triad

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



16.9335, 33.8670, 5.6445



26.3343, 33.8670, 165.6012



64.0054, 33.8670, 19.9791

Complementary

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



16.9335, 33.8670, 5.6445



28.0749, 13.4860, 45.9148

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.



64.3815, 33.8670, 57.8317



16.9335, 33.8670, 5.6445



39.8673, 33.8670, 163.7572

Square

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



16.9335, 33.8670, 5.6445



17.3597, 33.8670, 119.9945



54.6208, 33.8670, 115.9612



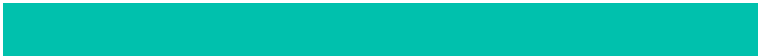
53.7032, 33.8670, 5.1294

Rectangle

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



16.9335, 33.8670, 5.6445



12.7084, 33.8670, 45.1977



54.6208, 33.8670, 115.9612



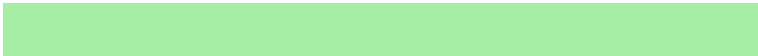
65.3775, 33.8670, 29.6431

Sweetspot

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



16.9343, 33.8684, 5.6453



52.9386, 71.5164, 47.0962



36.4634, 43.9361, 6.5587



11.0645, 15.4941, 9.3748



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.



16.9343, 33.8684, 5.6453



30.3278, 60.6553, 10.1099



18.8442, 34.6324, 15.7029



8.8904, 10.0601, 9.5803



11.8132, 23.6262, 3.9382



0.4165, 0.8329, 0.1389

Inverse Universe

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



28.0749, 13.4860, 45.9148



50.2796, 24.1521, 82.2290



21.4393, 10.8317, 10.9721



9.3809, 9.1627, 11.3534



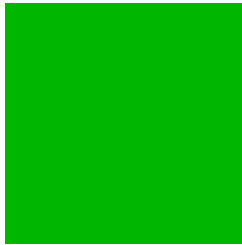
19.5847, 9.4077, 32.0297



0.6904, 0.3316, 1.1292

Previews

White Background



This preview shows how the XYZ color 16.9335, 33.8670, 5.6445 looks on a white background.

Color Contrast Check

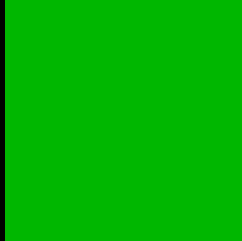
Large Text (above 18pt) WCAG AA × Fail

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 16.9335, 33.8670, 5.6445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

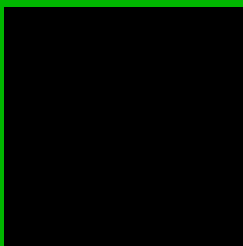
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

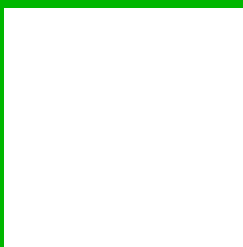
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9335, 33.8670, 5.6445

Background



This preview shows how black text looks on a background with the XYZ color 16.9335, 33.8670, 5.6445.



This preview shows how white text looks on a background with the XYZ color 16.9335, 33.8670,

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

16.9335, 33.8670, 5.6445

Protanopia

29.9615, 33.3440, 4.8569

Deuteranopia

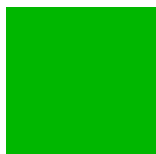
33.7379, 33.0688, 6.6122



Tritanopia

26.0870, 33.7879, 50.4942

Trichromacy



Original Color

16.9335, 33.8670, 5.6445



Protanomaly

20.3183, 30.7172, 4.8581



Deuteranomaly

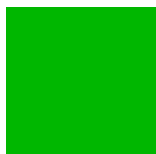
21.3778, 29.9199, 5.5681



Tritanomaly

19.8075, 32.5973, 22.0776

Monochromacy



Original Color

16.9335, 33.8670, 5.6445



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0913, 18.9742, 8.4940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9335, 33.8670, 5.6445 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, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.9335, 33.8670, 5.6445 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, 183, 0) }
```


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

```
.border{ border-color:rgb(0, 183, 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, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 183, 0); box-shadow:4px  
4px 4px 4px rgb(0, 183, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9335, 33.8670, 5.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 0) }
```

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

```
.background{ background-color: rgb(0, 183,  
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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