

Converting Colors

XYZ(16.8288, 33.2201, 5.5251)

Have a look what the booklet for
XYZ(16.8288, 33.2201, 5.5251)
contains.

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Color

**XYZ(16.8124, 33.1965,
5.5215)**

Conversions

Conversions Part 1

Format	Color
Hex	14B500
RGB	20, 181, 0
RGB Percent	8%, 71%, 0%
CMY	0.9216, 0.2902, 0.9999
CMYK	0.89, 0.00, 1.00, 0.29
HSL	113°, 100%, 35%
HSV	113°, 100%, 71%
XYZ	16.8124, 33.1965, 5.5215
YIQ	112.2270, -37.8550, -90.4230

Conversions

Conversions Part 2

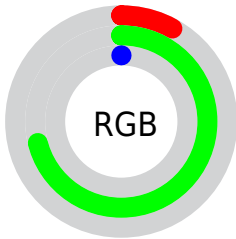
Format	Color
RYB	0, 181, 161
Decimal	1357056
CIELab	64.32, -65.53, 64.45
CIELCh	64, 91.918, 135.475
Yxy	33.1965, 0.3028, 0.5978
Android (android.graphics.Color)	4279547136 (0xFF14B500)
YUV	112.2270, -55.3279, -80.8831
Hunter-Lab	57.6164, -48.7426, 34.6496

Details

The XYZ color **16.8124, 33.1965, 5.5215** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **23.0434, 10.9161, 44.6104**, and the grayscale version is **15.6349, 16.4491, 17.9131**.

A 20% lighter version of the original color is **37.4726, 64.5544, 17.3227**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.8127, 33.1977, 5.5217**, and if you desaturate by 10%, it is **17.3659, 33.4701, 6.1225**.

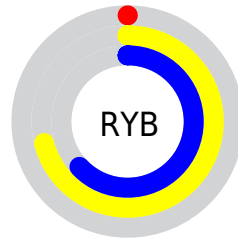
Distribution



Red (8%)

Green (71%)

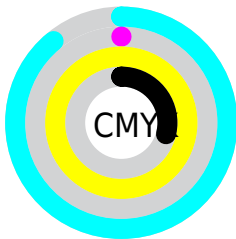
Blue (0%)



Red (0%)

Yellow (71%)

Blue (63%)

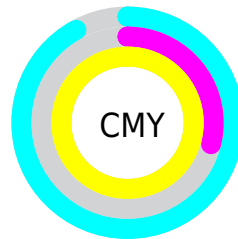


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (92%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8124, 33.1965, 5.5215 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 16.8124, 33.1965, 5.5215 by changing the saturation by 10% instead.


 16.8124, 33.1965,
5.5215


 16.8124, 33.1965,
5.5215


227.2663,
316.5342, 163.8762


 10.1953, 22.2770,
2.4923


 37.5491, 64.6822,
17.3895


 5.5919, 14.0606,
0.8361


 52.3994, 86.0172,
27.0655

 2.6368, 8.1628,
0.0000


 70.7249, 111.5928,
39.7941

 0.9648, 4.1993,
0.0000

 92.8908, 141.7935,
55.9939

 0.0000, 1.7857,
0.0000

 119.2626,
177.0036, 76.0835

 0.0000, 0.4782,
0.0000

 150.2055,

 0.0000, 0.0000,

217.6074, 100.4814

0.0000

186.0850,
263.9895, 129.6061

■ 16.8124, 33.1965,
5.5215

■ 16.8124, 33.1965,
5.5215

■ 16.8127, 33.1977,
5.5217

■ 17.3659, 33.4701,
6.1225

■ 18.2731, 33.9133,
7.2696

■ 19.6033, 34.5585,
9.1669

■ 21.4009, 35.4262,
11.9131

■ 23.7045, 36.5347,
15.5921

■ 26.5487, 37.9002,
20.2776

■ 29.9651, 39.5375,
26.0359

■ 33.9827, 41.4603,
32.9278

■ 38.6286, 43.6813,
41.0093

Harmonies

Analogous

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



25.3104, 33.1965, 1.6908



16.8124, 33.1965, 5.5215



12.9411, 33.1965, 20.9325

Triad

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



16.8124, 33.1965, 5.5215



25.6598, 33.1965, 160.1766



62.4986, 33.1965, 20.1412

Complementary

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



16.8124, 33.1965, 5.5215



23.0434, 10.9161, 44.6104

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.



62.6690, 33.1965, 57.3680



16.8124, 33.1965, 5.5215



38.7442, 33.1965, 159.3441

Square

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



16.8124, 33.1965, 5.5215



17.0069, 33.1965, 115.5730



53.0753, 33.1965, 113.7499



52.6593, 33.1965, 5.2837

Rectangle

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



16.8124, 33.1965, 5.5215



12.5647, 33.1965, 43.4571



53.0753, 33.1965, 113.7499



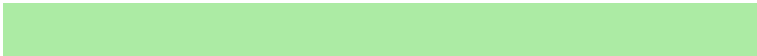
63.7632, 33.1965, 29.7035

Sweetspot

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



16.8132, 33.1979, 5.5222



53.3258, 70.6457, 46.0516



31.6084, 34.9272, 5.0762



10.9546, 14.9955, 8.9866



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.



16.8132, 33.1979, 5.5222



30.0174, 59.4062, 9.8845



17.6113, 33.4838, 11.2298



8.4732, 9.5335, 9.0461



11.6205, 22.9006, 3.8078



0.3937, 0.7350, 0.1211

Inverse Universe

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



23.0434, 10.9161, 44.6104



41.1471, 19.4865, 79.8872



21.9609, 10.9861, 16.1834



8.7558, 8.5982, 10.7045



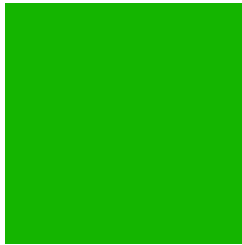
15.9207, 7.5432, 30.7539



0.5271, 0.2508, 0.9689

Previews

White Background



This preview shows how the XYZ color 16.8124, 33.1965, 5.5215 looks on a white background.

Color Contrast Check

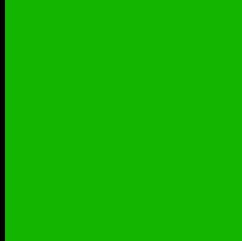
Large Text (above 18pt) WCAG AA × Fail

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 16.8124, 33.1965, 5.5215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

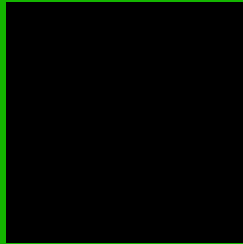
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.8124, 33.1965, 5.5215

Background



This preview shows how black text looks on a background with the XYZ color 16.8124, 33.1965, 5.5215.



This preview shows how white text looks on a background with the XYZ color 16.8124, 33.1965,

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

16.8124, 33.1965, 5.5215

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.3056, 32.6160, 6.4596



Tritanopia

25.5880, 33.0024, 49.2774

Trichromacy



Original Color

16.8124, 33.1965, 5.5215



Protanomaly

20.8832, 30.4729, 4.7812



Deuteranomaly

21.9337, 29.6918, 5.4948



Tritanomaly

19.7833, 32.0180, 21.6604

Monochromacy



Original Color

16.8124, 33.1965, 5.5215



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.3074, 20.0085, 9.1219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8124, 33.1965, 5.5215 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(20, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.8124, 33.1965, 5.5215 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(20, 181, 0) }
```


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

```
.border{ border-color:rgb(20, 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(20, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 181, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8124, 33.1965, 5.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 181, 0) }
```

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

```
.background{ background-color: rgb(20, 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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