

Converting Colors

XYZ(18.3613, 33.2471, 5.4496)

Have a look what the booklet for
XYZ(18.3613, 33.2471, 5.4496)
contains.

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Color

**XYZ(18.4348, 33.4335,
5.4817)**

Conversions

Conversions Part 1

Format	Color
Hex	43B300
RGB	67, 179, 0
RGB Percent	26%, 70%, 0%
CMY	0.7373, 0.2980, 0.9999
CMYK	0.63, 0.00, 1.00, 0.30
HSL	98°, 100%, 35%
HSV	98°, 100%, 70%
XYZ	18.4348, 33.4335, 5.4817
YIQ	125.1060, -9.2930, -79.4130

Conversions

Conversions Part 2

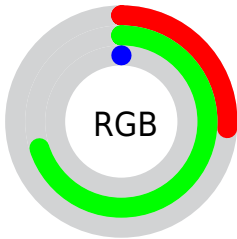
Format	Color
RYB	0, 179, 112
Decimal	4436736
CIELab	64.51, -57.60, 64.96
CIELCh	65, 86.822, 131.564
Yxy	33.4335, 0.3214, 0.5830
Android (android.graphics.Color)	4282626816 (0xFF43B300)
YUV	125.1060, -61.6773, -50.9590
Hunter-Lab	57.8217, -44.2784, 34.8543

Details

The XYZ color **18.4348, 33.4335, 5.4817** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **14.8222, 6.7014, 43.1620**, and the grayscale version is **19.7338, 20.7615, 22.6092**.

A 20% lighter version of the original color is **40.3532, 65.1798, 17.2916**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **18.4347, 33.4345, 5.4819**, and if you desaturate by 10%, it is **19.3877, 33.9132, 6.0928**.

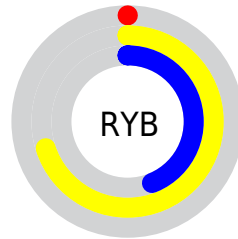
Distribution



Red (26%)

Green (70%)

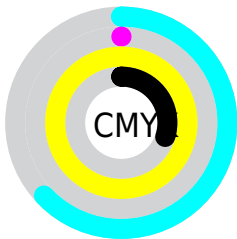
Blue (0%)



Red (0%)

Yellow (70%)

Blue (44%)

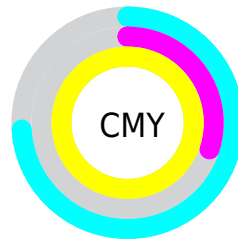


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (74%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4348, 33.4335, 5.4817 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 18.4348, 33.4335, 5.4817 by changing the saturation by 10% instead.


 18.4348, 33.4335,
5.4817


 18.4348, 33.4335,
5.4817


236.3090,
317.5986, 163.4941


 11.3642, 22.4587,
2.4689


 40.3011, 65.0517,
17.3039


 6.3814, 14.1944,
0.8236


 55.8276, 86.4640,
26.9505

 3.1212, 8.2560,
0.0000


 74.9033, 112.1242,
39.6454

 1.2182, 4.2592,
0.0000

 97.8937, 142.4168,
55.8072

 0.1207, 1.8196,
0.0000

 125.1641,
177.7262, 75.8544

 0.0000, 0.4993,
0.0000

 157.0799,

 0.0000, 0.0000,

218.4366, 100.2056

0.0000

194.0064,
264.9327, 129.2793

18.4348, 33.4335,
5.4817

18.4348, 33.4335,
5.4817

18.4347, 33.4345,
5.4819

19.3877, 33.9132,
6.0928

20.5950, 34.5117,
7.2305

22.1026, 35.2492,
9.0944

23.9355, 36.1365,
11.7795

26.1152, 37.1831,
15.3666

■ 28.6616, 38.3975,
19.9269

■ 31.5924, 39.7875,
25.5242

■ 34.9244, 41.3606,
32.2170

■ 38.6732, 43.1234,
40.0596

Harmonies

Analogous

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



27.2322, 33.4335, 2.1137



18.4348, 33.4335, 5.4817



14.0962, 33.4335, 18.7926

Triad

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



18.4348, 33.4335, 5.4817



24.8158, 33.4335, 147.2610



61.3397, 33.4335, 24.3556

Complementary

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



18.4348, 33.4335, 5.4817



14.8222, 6.7014, 43.1620

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.



60.1996, 33.4335, 62.5601



18.4348, 33.4335, 5.4817



36.8025, 33.4335, 152.7072

Square

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



18.4348, 33.4335, 5.4817



17.0640, 33.4335, 103.1292



50.3734, 33.4335, 115.1612



53.1722, 33.4335, 7.2892

Rectangle

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



18.4348, 33.4335, 5.4817



13.4012, 33.4335, 38.2996



50.3734, 33.4335, 115.1612



62.0794, 33.4335, 34.5709

Sweetspot

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



18.4356, 33.4349, 5.4824



56.2902, 71.1188, 45.1460



24.2097, 20.8209, 2.7434



11.9708, 15.5194, 9.0341



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.



18.4356, 33.4349, 5.4824



32.7862, 59.7599, 9.8068



16.2555, 32.2955, 6.0815



8.6795, 9.6398, 9.0557



13.0932, 23.6599, 3.8767



0.4779, 0.7784, 0.1251

Inverse Universe

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



14.8222, 6.7014, 43.1620



26.2869, 11.8680, 77.2864



24.7735, 12.0573, 33.4244



8.5357, 8.4847, 10.6942



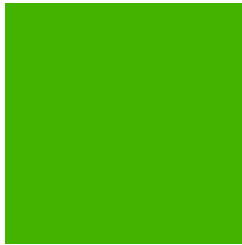
10.5467, 4.7728, 30.5024



0.3939, 0.1821, 0.9626

Previews

White Background



This preview shows how the XYZ color 18.4348, 33.4335, 5.4817 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 18.4348, 33.4335, 5.4817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

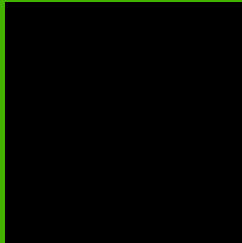
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.4348, 33.4335, 5.4817

Background



This preview shows how black text looks on a background with the XYZ color 18.4348, 33.4335, 5.4817.



This preview shows how white text looks on a background with the XYZ color 18.4348, 33.4335,

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

18.4348, 33.4335, 5.4817

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.2892, 32.6095, 6.3734



Tritanopia

26.9114, 33.1644, 48.1630

Trichromacy



Original Color

18.4348, 33.4335, 5.4817



Protanomaly

23.4288, 31.7852, 4.9003



Deuteranomaly

24.7757, 31.1581, 5.5725



Tritanomaly

21.5879, 32.3899, 21.3337

Monochromacy



Original Color

18.4348, 33.4335, 5.4817



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.2823, 23.7730, 11.2672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4348, 33.4335, 5.4817 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(67, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(67, 179, 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(67, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4348, 33.4335, 5.4817 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(67, 179, 0) }
```


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

```
.border{ border-color:rgb(67, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(67, 179, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4348, 33.4335, 5.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 179, 0) }
```

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

```
.background{ background-color: rgb(67, 179,  
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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