

Converting Colors

XYZ(18.2270, 33.1779, 5.4433)

Have a look what the booklet for
XYZ(18.2270, 33.1779, 5.4433)
contains.

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Color

**XYZ(18.3001, 33.3640,
5.4754)**

Conversions

Conversions Part 1

Format	Color
Hex	41B300
RGB	65, 179, 0
RGB Percent	25%, 70%, 0%
CMY	0.7451, 0.2980, 0.9999
CMYK	0.64, 0.00, 1.00, 0.30
HSL	98°, 100%, 35%
HSV	98°, 100%, 70%
XYZ	18.3001, 33.3640, 5.4754
YIQ	124.5080, -10.4850, -79.8370

Conversions

Conversions Part 2

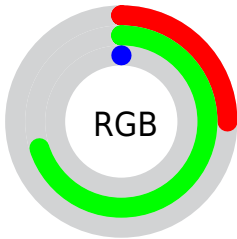
Format	Color
RYB	0, 179, 114
Decimal	4305664
CIELab	64.45, -58.07, 64.89
CIELCh	64, 87.081, 131.823
Yxy	33.3640, 0.3203, 0.5839
Android (android.graphics.Color)	4282495744 (0xFF41B300)
YUV	124.5080, -61.3824, -52.1885
Hunter-Lab	57.7616, -44.5302, 34.8128

Details

The XYZ color **18.3001, 33.3640, 5.4754** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **15.0794, 6.8340, 43.1739**, and the grayscale version is **19.5312, 20.5483, 22.3771**.

A 20% lighter version of the original color is **40.2020, 65.1019, 17.2845**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **18.3000, 33.3650, 5.4756**, and if you desaturate by 10%, it is **19.2418, 33.8380, 6.0860**.

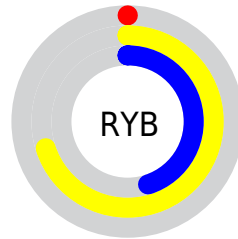
Distribution



Red (25%)

Green (70%)

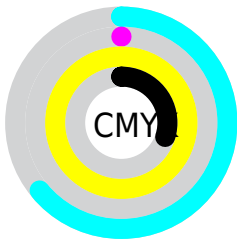
Blue (0%)



Red (0%)

Yellow (70%)

Blue (45%)

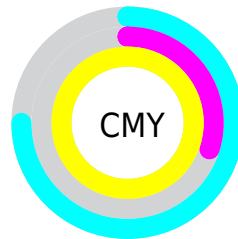


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (75%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3001, 33.3640, 5.4754 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 18.3001, 33.3640, 5.4754 by changing the saturation by 10% instead.

■ 18.3001, 33.3640,
5.4754

■ 18.3001, 33.3640,
5.4754

235.5702,
317.2868, 163.4335

■ 11.2666, 22.4054,
2.4652

■ 40.0741, 64.9434,
17.2904

■ 6.3151, 14.1551,
0.8216

■ 55.5454, 86.3330,
26.9323

■ 3.0801, 8.2286,
0.0000

■ 74.5600, 111.9685,
39.6219

■ 1.1963, 4.2416,
0.0000

■ 97.4832, 142.2341,
55.7776

■ 0.1034, 1.8096,
0.0000

■ 124.6805,
177.5144, 75.8181

■ 0.0000, 0.4931,
0.0000

■ 156.5172,

■ 0.0000, 0.0000,

218.1937, 100.1619

0.0000

193.3586,
264.6563, 129.2275

18.3001, 33.3640,
5.4754

18.3001, 33.3640,
5.4754

18.3000, 33.3650,
5.4756

19.2418, 33.8380,
6.0860

20.4424, 34.4329,
7.2234

21.9480, 35.1695,
9.0872

23.7842, 36.0585,
11.7725

25.9730, 37.1097,
15.3601

■ 28.5344, 38.3319,
19.9210

■ 31.4867, 39.7330,
25.5193

■ 34.8468, 41.3205,
32.2135

■ 38.6308, 43.1015,
40.0577

Harmonies

Analogous

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



27.0644, 33.3640, 2.0820



18.3001, 33.3640, 5.4754



13.9989, 33.3640, 18.8918

Triad

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



18.3001, 33.3640, 5.4754



24.8277, 33.3640, 147.8077



61.3114, 33.3640, 24.0358

Complementary

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



18.3001, 33.3640, 5.4754



15.0794, 6.8340, 43.1739

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.



60.2539, 33.3640, 62.1230



18.3001, 33.3640, 5.4754



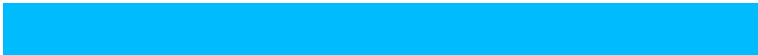
36.8622, 33.3640, 152.8667

Square

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



18.3001, 33.3640, 5.4754



17.0327, 33.3640, 103.7128



50.4577, 33.3640, 114.8830



53.0529, 33.3640, 7.1389

Rectangle

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



18.3001, 33.3640, 5.4754



13.3259, 33.3640, 38.5478



50.4577, 33.3640, 114.8830



62.0823, 33.3640, 34.1945

Sweetspot

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



18.3009, 33.3654, 5.4761



56.0985, 71.0200, 45.1370



24.5384, 21.4784, 2.8530



11.9246, 15.4955, 9.0320



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.



18.3009, 33.3654, 5.4761



32.5491, 59.6377, 9.7957



16.2847, 32.3071, 6.2354



8.6706, 9.6353, 9.0553



12.9970, 23.6103, 3.8722



0.4743, 0.7766, 0.1249

Inverse Universe

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



15.0794, 6.8340, 43.1739



26.7496, 12.1065, 77.3081



24.5194, 11.9557, 32.0868



8.5449, 8.4894, 10.6946



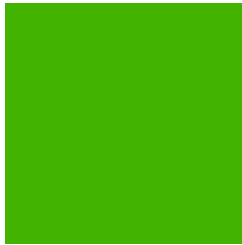
10.7278, 4.8662, 30.5108



0.3988, 0.1847, 0.9629

Previews

White Background



This preview shows how the XYZ color 18.3001, 33.3640, 5.4754 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 18.3001, 33.3640, 5.4754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

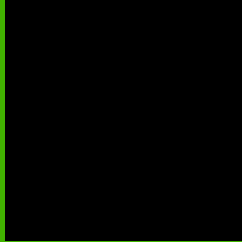
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.3001, 33.3640, 5.4754

Background



This preview shows how black text looks on a background with the XYZ color 18.3001, 33.3640, 5.4754.



This preview shows how white text looks on a background with the XYZ color 18.3001, 33.3640,

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

18.3001, 33.3640, 5.4754

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.2892, 32.6095, 6.3734



Tritanopia

26.6983, 33.0545, 48.1530

Trichromacy



Original Color

18.3001, 33.3640, 5.4754



Protanomaly

23.2671, 31.7018, 4.8928



Deuteranomaly

24.7757, 31.1581, 5.5725



Tritanomaly

21.4037, 32.2949, 21.3251

Monochromacy



Original Color

18.3001, 33.3640, 5.4754



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.1669, 23.7135, 11.2618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3001, 33.3640, 5.4754 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(65, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3001, 33.3640, 5.4754 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(65, 179, 0) }
```


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

```
.border{ border-color:rgb(65, 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(65, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 179, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3001, 33.3640, 5.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 179, 0) }
```

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

```
.background{ background-color: rgb(65, 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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