

Converting Colors

XYZ(18.0079, 33.5110, 5.5192)

Have a look what the booklet for
XYZ(18.0079, 33.5110, 5.5192)
contains.

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Color

**XYZ(18.0086, 33.5124,
5.5194)**

Conversions

Conversions Part 1

Format	Color
Hex	39B400
RGB	57, 180, 0
RGB Percent	22%, 71%, 0%
CMY	0.7765, 0.2941, 0.9999
CMYK	0.68, 0.00, 1.00, 0.29
HSL	101°, 100%, 35%
HSV	101°, 100%, 71%
XYZ	18.0086, 33.5124, 5.5194
YIQ	122.7030, -15.5280, -82.0560

Conversions

Conversions Part 2

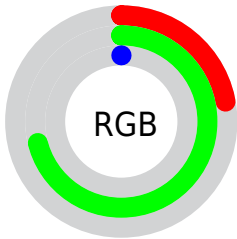
Format	Color
RYB	0, 180, 123
Decimal	3781632
CIELab	64.57, -60.12, 64.90
CIELCh	65, 88.470, 132.811
Yxy	33.5124, 0.3157, 0.5875
Android (android.graphics.Color)	4281971712 (0xFF39B400)
YUV	122.7030, -60.4926, -57.6215
Hunter-Lab	57.8899, -45.7789, 34.8700

Details

The XYZ color **18.0086, 33.5124, 5.5194** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **16.4104, 7.5084, 43.7662**, and the grayscale version is **18.9269, 19.9125, 21.6847**.

A 20% lighter version of the original color is **39.6147, 65.2278, 17.3398**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **18.0086, 33.5134, 5.5196**, and if you desaturate by 10%, it is **18.9070, 33.9639, 6.1323**.

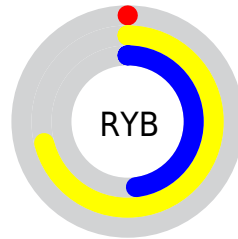
Distribution



Red (22%)

Green (71%)

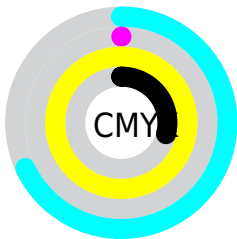
Blue (0%)



Red (0%)

Yellow (71%)

Blue (48%)

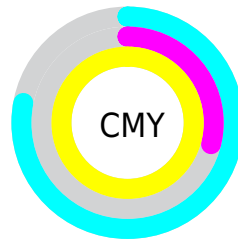


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (78%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0086, 33.5124, 5.5194 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 18.0086, 33.5124, 5.5194 by changing the saturation by 10% instead.


 18.0086, 33.5124,
5.5194


 18.0086, 33.5124,
5.5194


233.9642,
317.9524, 163.8561


 11.0559, 22.5193,
2.4911


 39.5819, 65.1747,
17.3850


 6.1720, 14.2389,
0.8354


 54.9333, 86.6126,
27.0594

 2.9916, 8.2870,
0.0000


 73.8149, 112.3010,
39.7863

 1.1493, 4.2792,
0.0000

 96.5921, 142.6241,
55.9841

 0.0658, 1.8309,
0.0000

 123.6303,
177.9664, 76.0714

 0.0000, 0.5063,
0.0000

 155.2948,

 0.0000, 0.0000,

218.7123, 100.4669

0.0000

191.9510,
265.2461, 129.5889

■ 18.0086, 33.5124,
5.5194

■ 18.0086, 33.5124,
5.5194

■ 18.0086, 33.5134,
5.5196

■ 18.9070, 33.9639,
6.1323

■ 20.0859, 34.5475,
7.2803

■ 21.5946, 35.2851,
9.1650

■ 23.4607, 36.1889,
11.8829

■ 25.7086, 37.2697,
15.5161

■ 28.3604, 38.5372,
20.1367

■ 31.4361, 40.0004,
25.8097

■ 34.9545, 41.6677,
32.5944

■ 38.9332, 43.5468,
40.5458

Harmonies

Analogous

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



26.7542, 33.5124, 1.9867



18.0086, 33.5124, 5.5194



13.7979, 33.5124, 19.5213

Triad

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



18.0086, 33.5124, 5.5194



25.1868, 33.5124, 151.8258



61.9727, 33.5124, 23.1113

Complementary

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



18.0086, 33.5124, 5.5194



16.4104, 7.5084, 43.7662

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.



61.2257, 33.5124, 61.2120



18.0086, 33.5124, 5.5194



37.5607, 33.5124, 155.4194

Square

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



18.0086, 33.5124, 5.5194



17.1245, 33.5124, 107.3272



51.4239, 33.5124, 115.2448



53.2547, 33.5124, 6.6589

Rectangle

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



18.0086, 33.5124, 5.5194



13.2011, 33.5124, 40.0161



51.4239, 33.5124, 115.2448



62.8758, 33.5124, 33.1761

Sweetspot

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



18.0094, 33.5138, 5.5201



56.6864, 72.3782, 46.2089



25.9073, 23.8717, 3.2428



11.7351, 15.3979, 9.0231



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.



18.0094, 33.5138, 5.5201



32.4389, 60.6545, 9.9978



16.5969, 32.7539, 6.8874



8.6338, 9.6163, 9.0536



12.6309, 23.4215, 3.8551



0.4595, 0.7689, 0.1242

Inverse Universe

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



16.4104, 7.5084, 43.7662



29.5006, 13.4826, 79.3421



24.0904, 11.8109, 28.6163



8.5832, 8.5092, 10.6964



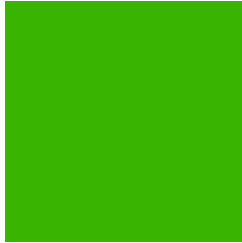
11.5242, 5.2767, 30.5481



0.4198, 0.1955, 0.9638

Previews

White Background



This preview shows how the XYZ color 18.0086, 33.5124, 5.5194 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 18.0086, 33.5124, 5.5194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

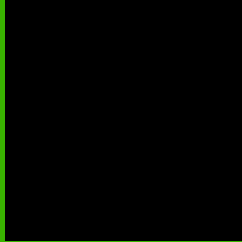
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.0086, 33.5124, 5.5194

Background



This preview shows how black text looks on a background with the XYZ color 18.0086, 33.5124, 5.5194.



This preview shows how white text looks on a background with the XYZ color 18.0086, 33.5124,

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

18.0086, 33.5124, 5.5194

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.2892, 32.6095, 6.3734



Tritanopia

26.5728, 33.2489, 48.7332

Trichromacy



Original Color

18.0086, 33.5124, 5.5194



Protanomaly

22.9709, 31.8158, 4.9304



Deuteranomaly

24.2401, 30.8820, 5.5474



Tritanomaly

21.0715, 32.4051, 21.3639

Monochromacy



Original Color

18.0086, 33.5124, 5.5194



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.4940, 23.1492, 10.8066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0086, 33.5124, 5.5194 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(57, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 180, 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(57, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 180, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.0086, 33.5124, 5.5194 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(57, 180, 0) }
```


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

```
.border{ border-color:rgb(57, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 180, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0086, 33.5124, 5.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 180, 0) }
```

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

```
.background{ background-color: rgb(57, 180,  
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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