

Converting Colors

XYZ(18.3582, 33.6939, 5.5360)

Have a look what the booklet for
XYZ(18.3582, 33.6939, 5.5360)
contains.

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Color

**XYZ(18.3712, 33.6993,
5.5364)**

Conversions

Conversions Part 1

Format	Color
Hex	3FB400
RGB	63, 180, 0
RGB Percent	25%, 71%, 0%
CMY	0.7529, 0.2941, 0.9999
CMYK	0.65, 0.00, 1.00, 0.29
HSL	99°, 100%, 35%
HSV	99°, 100%, 71%
XYZ	18.3712, 33.6993, 5.5364
YIQ	124.4970, -11.9520, -80.7840

Conversions

Conversions Part 2

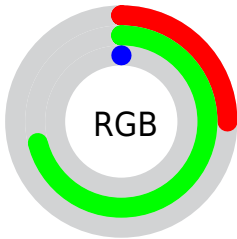
Format	Color
RYB	0, 180, 117
Decimal	4174848
CIELab	64.72, -58.85, 65.08
CIELCh	65, 87.747, 132.122
Yxy	33.6993, 0.3189, 0.5850
Android (android.graphics.Color)	4282364928 (0xFF3FB400)
YUV	124.4970, -61.3770, -53.9329
Hunter-Lab	58.0511, -45.1002, 34.9812

Details

The XYZ color **18.3712, 33.6993, 5.5364** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **15.5780, 7.0793, 43.7273**, and the grayscale version is **19.5278, 20.5448, 22.3733**.

A 20% lighter version of the original color is **40.1929, 65.5258, 17.3668**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **18.3711, 33.7003, 5.5365**, and if you desaturate by 10%, it is **19.3097, 34.1715, 6.1512**.

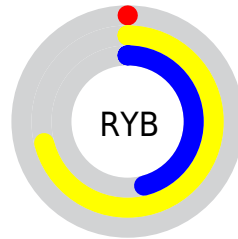
Distribution



Red (25%)

Green (71%)

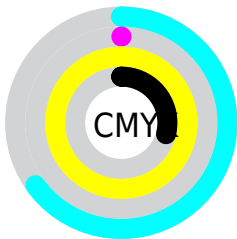
Blue (0%)



Red (0%)

Yellow (71%)

Blue (46%)

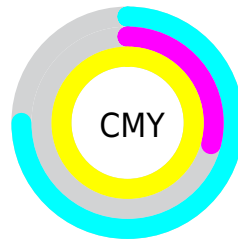


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (75%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3712, 33.6993, 5.5364 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 18.3712, 33.6993, 5.5364 by changing the saturation by 10% instead.


 18.3712, 33.6993,
5.5364


 18.3712, 33.6993,
5.5364


235.9604,
318.7892, 164.0190


 11.3181, 22.6627,
2.5011

 40.1940, 65.4658,
17.4215


 6.3501, 14.3446,
0.8407


 55.6944, 86.9644,
27.1085

 3.1018, 8.3608,
0.0000


 74.7413, 112.7192,
39.8497

 1.2078, 4.3266,
0.0000

 97.7000, 143.1146,
56.0637

 0.1125, 1.8579,
0.0000

 124.9359,
178.5348, 76.1691

 0.0000, 0.5229,
0.0000

 156.8144,

 0.0000, 0.0000,

219.3644, 100.5844

0.0000

193.7008,
265.9877, 129.7282

■ 18.3712, 33.6993,
5.5364

■ 18.3712, 33.6993,
5.5364

■ 18.3711, 33.7003,
5.5365

■ 19.3097, 34.1715,
6.1512

■ 20.5157, 34.7690,
7.3005

■ 22.0366, 35.5130,
9.1858

■ 23.8987, 36.4147,
11.9036

■ 26.1249, 37.4842,
15.5359

■ 28.7359, 38.7307,
20.1546

■ 31.7507, 40.1625,
25.8248

■ 35.1869, 41.7874,
32.6057

■ 39.0611, 43.6128,
40.5523

Harmonies

Analogous

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



27.2062, 33.6993, 2.0711



18.3712, 33.6993, 5.5364



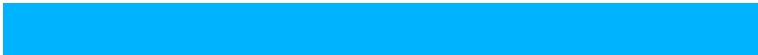
14.0600, 33.6993, 19.2449

Triad

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



18.3712, 33.6993, 5.5364



25.1520, 33.6993, 150.2994



62.0443, 33.6993, 23.9635

Complementary

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



18.3712, 33.6993, 5.5364



15.5780, 7.0793, 43.7273

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.



61.0707, 33.6993, 62.3880



18.3712, 33.6993, 5.5364



37.3931, 33.6993, 154.9647

Square

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



18.3712, 33.6993, 5.5364



17.2087, 33.6993, 105.6978



51.1873, 33.6993, 115.9922



53.5757, 33.6993, 7.0539

Rectangle

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



18.3712, 33.6993, 5.5364



13.4042, 33.6993, 39.3228



51.1873, 33.6993, 115.9922



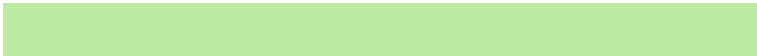
62.8616, 33.6993, 34.1827

Sweetspot

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



18.3720, 33.7007, 5.5372



57.2632, 72.6755, 46.2359



25.1857, 22.4285, 3.0023



11.8705, 15.4677, 9.0295



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.



18.3720, 33.7007, 5.5372



33.0816, 60.9858, 10.0279



16.5202, 32.7232, 6.4835



8.6602, 9.6299, 9.0548



12.8879, 23.5540, 3.8671



0.4701, 0.7744, 0.1247

Inverse Universe

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



15.5780, 7.0793, 43.7273



27.9818, 12.6996, 79.2711



24.5737, 12.0042, 31.1614



8.5557, 8.4950, 10.6951



10.9459, 4.9786, 30.5210



0.4046, 0.1877, 0.9631

Previews

White Background



This preview shows how the XYZ color 18.3712, 33.6993, 5.5364 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 18.3712, 33.6993, 5.5364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

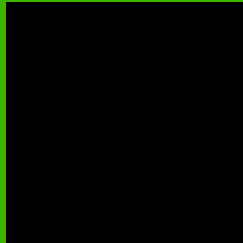
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.3712, 33.6993, 5.5364

Background



This preview shows how black text looks on a background with the XYZ color 18.3712, 33.6993, 5.5364.



This preview shows how white text looks on a background with the XYZ color 18.3712, 33.6993,

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

18.3712, 33.6993, 5.5364

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.7047, 33.0555, 6.4376



Tritanopia

26.8785, 33.4065, 48.7475

Trichromacy



Original Color

18.3712, 33.6993, 5.5364



Protanomaly

23.4468, 32.0612, 4.9526



Deuteranomaly

24.9484, 31.5035, 5.6300



Tritanomaly

21.4143, 32.5819, 21.3799

Monochromacy



Original Color

18.3712, 33.6993, 5.5364



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.0529, 23.6548, 11.2565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3712, 33.6993, 5.5364 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(63, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 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(63, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 180, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3712, 33.6993, 5.5364 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(63, 180, 0) }
```


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

```
.border{ border-color:rgb(63, 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(63, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 180, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3712, 33.6993, 5.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 180, 0) }
```

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

```
.background{ background-color: rgb(63, 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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