

Converting Colors

XYZ(17.8400, 35.5642, 5.9243)

Have a look what the booklet for
XYZ(17.8400, 35.5642, 5.9243)
contains.

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Color

**XYZ(17.8454, 35.5794,
5.9270)**

Conversions

Conversions Part 1

Format	Color
Hex	06BB00
RGB	6, 187, 0
RGB Percent	2%, 73%, 0%
CMY	0.9765, 0.2667, 0.9999
CMYK	0.97, 0.00, 1.00, 0.27
HSL	118°, 100%, 37%
HSV	118°, 100%, 73%
XYZ	17.8454, 35.5794, 5.9270
YIQ	111.5630, -47.8490, -96.5290

Conversions

Conversions Part 2

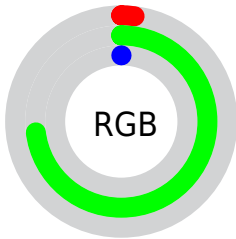
Format	Color
RYB	0, 187, 181
Decimal	441088
CIELab	66.20, -67.99, 65.92
CIELCh	66, 94.702, 135.885
Yxy	35.5794, 0.3007, 0.5995
Android (android.graphics.Color)	4278631168 (0xFF06BB00)
YUV	111.5630, -55.0006, -92.5788
Hunter-Lab	59.6485, -50.9819, 35.8625

Details

The XYZ color **17.8454, 35.5794, 5.9270** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **28.0333, 13.4158, 48.1277**, and the grayscale version is **15.4398, 16.2439, 17.6896**.

A 20% lighter version of the original color is **39.5070, 68.6797, 18.3820**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **17.8459, 35.5807, 5.9272**, and if you desaturate by 10%, it is **18.2653, 35.7836, 6.5479**.

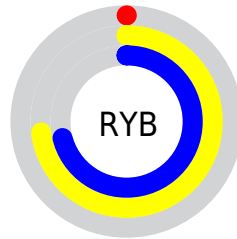
Distribution



Red (2%)

Green (73%)

Blue (0%)



Red (0%)

Yellow (73%)

Blue (71%)

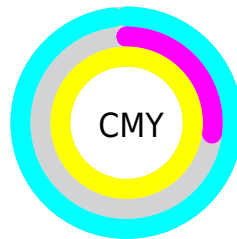


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (98%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8454, 35.5794, 5.9270 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 17.8454, 35.5794, 5.9270 by changing the saturation by 10% instead.


 17.8454, 35.5794,
5.9270


 17.8454, 35.5794,
5.9270


233.0607,
327.1184, 167.7013


 10.9381, 24.1095,
2.7327


 39.3059, 68.3824,
18.2542


 6.0922, 15.4149,
0.9598


 54.5897, 90.4843,
28.2242


 2.9424, 9.1111,
0.0000


 73.3964, 116.8990,
41.2898

 1.1234, 4.8137,
0.0000

 96.0914, 148.0109,
57.8696

 0.0445, 2.1384,
0.0000

 123.0399,
184.2044, 78.3821

 0.0000, 0.6861,
0.0000

 154.6074,

 0.0000, 0.0000,

225.8639, 103.2459

0.0000

191.1592,
273.3738, 132.8794

■ 17.8454, 35.5794,
5.9270

■ 17.8454, 35.5794,
5.9270

■ 17.8459, 35.5807,
5.9272

■ 18.2653, 35.7836,
6.5479

■ 19.0747, 36.1749,
7.7623

■ 20.3697, 36.7990,
9.7863

■ 22.2103, 37.6846,
12.7280

■ 24.6477, 38.8563,
16.6786

■ 27.7274, 40.3356,
21.7185

■ 31.4905, 42.1421,
27.9200

■ 35.9745, 44.2939,
35.3490

■ 41.2144, 46.8076,
44.0668

Harmonies

Analogous

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



26.9246, 35.5794, 1.7668



17.8454, 35.5794, 5.9270



13.7466, 35.5794, 22.7195

Triad

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



17.8454, 35.5794, 5.9270



27.6259, 35.5794, 173.4124



67.1790, 35.5794, 21.1338

Complementary

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



17.8454, 35.5794, 5.9270



28.0333, 13.4158, 48.1277

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.



67.5223, 35.5794, 60.9329



17.8454, 35.5794, 5.9270



41.7958, 35.5794, 171.7308

Square

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



17.8454, 35.5794, 5.9270



18.2351, 35.5794, 125.5255



57.2612, 35.5794, 121.8463



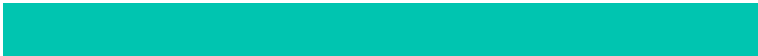
56.4236, 35.5794, 5.4547

Rectangle

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



17.8454, 35.5794, 5.9270



13.3791, 35.5794, 47.2613



57.2612, 35.5794, 121.8463



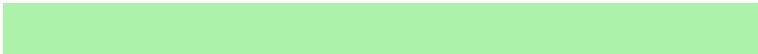
68.5995, 35.5794, 31.3098

Sweetspot

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



17.8462, 35.5809, 5.9278



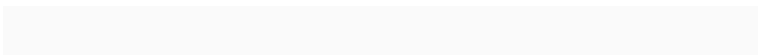
56.0328, 75.2984, 49.4006



36.9718, 43.5199, 6.4522



11.6826, 16.2667, 9.7951



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.8462, 35.5809, 5.9278



31.9235, 63.7031, 10.6134



19.5031, 36.2350, 15.0429



9.4362, 10.6638, 10.1376



12.3071, 24.5204, 4.0843



0.4918, 0.9655, 0.1604

Inverse Universe

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



28.0333, 13.4158, 48.1277



50.1642, 24.0048, 86.1908



22.7825, 11.4809, 13.0072



9.8990, 9.6803, 12.0190



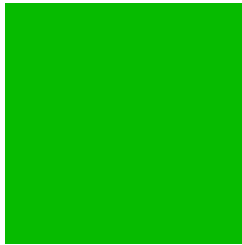
19.3263, 9.2491, 33.1596



0.7665, 0.3672, 1.2993

Previews

White Background



This preview shows how the XYZ color 17.8454, 35.5794, 5.9270 looks on a white background.

Color Contrast Check

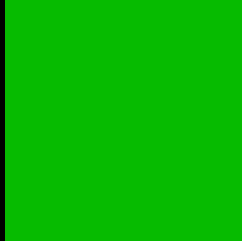
Large Text (above 18pt) WCAG AA × Fail

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 17.8454, 35.5794, 5.9270 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 17.8454, 35.5794, 5.9270

Background



This preview shows how black text looks on a background with the XYZ color 17.8454, 35.5794, 5.9270.



This preview shows how white text looks on a background with the XYZ color 17.8454, 35.5794,

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

17.8454, 35.5794, 5.9270

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

35.7159, 35.0341, 6.9776



Tritanopia

27.4376, 35.5652, 52.9956

Trichromacy



Original Color

17.8454, 35.5794, 5.9270



Protanomaly

21.7108, 32.5314, 5.1349



Deuteranomaly

22.8475, 31.7307, 5.8977



Tritanomaly

20.9264, 34.3263, 23.2920

Monochromacy



Original Color

17.8454, 35.5794, 5.9270



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.1176, 20.3366, 9.1952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8454, 35.5794, 5.9270 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(6, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(6, 187, 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(6, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 187, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.8454, 35.5794, 5.9270 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(6, 187, 0) }
```


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

```
.border{ border-color:rgb(6, 187, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 187, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 187, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 187, 0); box-shadow:4px  
4px 4px 4px rgb(6, 187, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8454, 35.5794, 5.9270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 187, 0) }
```

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

```
.background{ background-color: rgb(6, 187,  
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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