

Converting Colors

XYZ(18.4738, 34.8452, 5.7521)

Have a look what the booklet for
XYZ(18.4738, 34.8452, 5.7521)
contains.

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Color

**XYZ(18.5567, 35.0110,
5.7798)**

Conversions

Conversions Part 1

Format	Color
Hex	34B800
RGB	52, 184, 0
RGB Percent	20%, 72%, 0%
CMY	0.7961, 0.2784, 0.9999
CMYK	0.72, 0.00, 1.00, 0.28
HSL	103°, 100%, 36%
HSV	103°, 100%, 72%
XYZ	18.5567, 35.0110, 5.7798
YIQ	123.5560, -19.6080, -85.2080

Conversions

Conversions Part 2

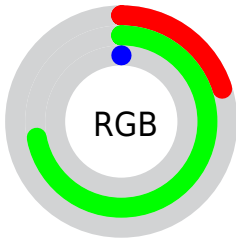
Format	Color
RYB	0, 184, 132
Decimal	3454976
CIELab	65.76, -62.34, 65.80
CIELCh	66, 90.639, 133.455
Yxy	35.0110, 0.3127, 0.5899
Android (android.graphics.Color)	4281645056 (0xFF34B800)
YUV	123.5560, -60.9131, -62.7546
Hunter-Lab	59.1701, -47.5672, 35.6276

Details

The XYZ color **18.5567, 35.0110, 5.7798** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **18.1715, 8.3686, 46.0067**, and the grayscale version is **19.2128, 20.2133, 22.0123**.

A 20% lighter version of the original color is **40.4026, 67.3684, 17.8951**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **18.5567, 35.0120, 5.7800**, and if you desaturate by 10%, it is **19.4472, 35.4581, 6.4096**.

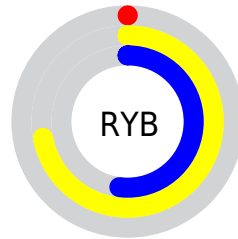
Distribution



Red (20%)

Green (72%)

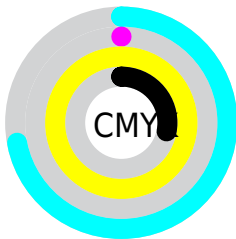
Blue (0%)



Red (0%)

Yellow (72%)

Blue (52%)

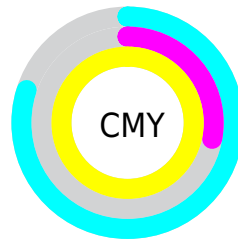


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (80%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5567, 35.0110, 5.7798 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 18.5567, 35.0110, 5.7798 by changing the saturation by 10% instead.

■ 18.5567, 35.0110,
5.7798

■ 18.5567, 35.0110,
5.7798

236.9758,
324.6169, 166.3268

■ 11.4525, 23.6713,
2.6450

■ 40.5064, 67.5028,
17.9418

■ 6.4416, 15.0900,
0.9156

■ 56.0825, 89.4238,
27.8062

■ 3.1586, 8.8826,
0.0000

■ 75.2134, 115.6406,
40.7508

■ 1.2382, 4.6647,
0.0000

■ 98.2644, 146.5377,
57.1942

■ 0.1362, 2.0519,
0.0000

■ 125.6007,
182.4995, 77.5549

■ 0.0000, 0.6374,
0.0000

■ 157.5878,

■ 0.0000, 0.0000,

223.9104, 102.2516

0.0000

194.5911,
271.1547, 131.7027

■ 18.5567, 35.0110,
5.7798

■ 18.5567, 35.0110,
5.7798

■ 18.5567, 35.0120,
5.7800

■ 19.4472, 35.4581,
6.4096

■ 20.6474, 36.0516,
7.6060

■ 22.2105, 36.8154,
9.5778

■ 24.1676, 37.7633,
12.4272

■ 26.5464, 38.9076,
16.2410

■ 29.3715, 40.2595,
21.0955

■ 32.6657, 41.8291,
27.0592

■ 36.4499, 43.6260,
34.1951

■ 40.7441, 45.6590,
42.5610

Harmonies

Analogous

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



27.6528, 35.0110, 2.0045



18.5567, 35.0110, 5.7798



14.2331, 35.0110, 20.7806

Triad

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



18.5567, 35.0110, 5.7798



26.4875, 35.0110, 160.9897



65.0163, 35.0110, 23.4428

Complementary

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



18.5567, 35.0110, 5.7798



18.1715, 8.3686, 46.0067

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.



64.4578, 35.0110, 63.1303



18.5567, 35.0110, 5.7798



39.6161, 35.0110, 163.6861

Square

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



18.5567, 35.0110, 5.7798



17.9013, 35.0110, 114.3632



54.2452, 35.0110, 120.2954



55.6127, 35.0110, 6.6143

Rectangle

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



18.5567, 35.0110, 5.7798



13.6639, 35.0110, 42.7266



54.2452, 35.0110, 120.2954



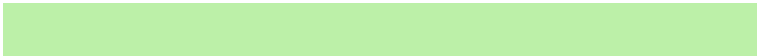
66.0502, 35.0110, 33.8589

Sweetspot

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



18.5575, 35.0125, 5.7806



58.8855, 75.6680, 48.4451



28.0023, 26.6594, 3.6705



12.1372, 16.0471, 9.4242



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.5575, 35.0125, 5.7806



33.4364, 63.3627, 10.4679



17.5224, 34.4349, 7.7202



9.1223, 10.1797, 9.5910



12.8496, 24.1605, 3.9862



0.5156, 0.8840, 0.1435

Inverse Universe

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



18.1715, 8.3686, 46.0067



32.6919, 15.0415, 83.3849



24.8129, 12.2091, 27.4906



9.1270, 9.0318, 11.3417



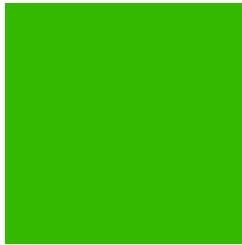
12.5943, 5.8038, 31.7095



0.5012, 0.2341, 1.1205

Previews

White Background



This preview shows how the XYZ color 18.5567, 35.0110, 5.7798 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 18.5567, 35.0110, 5.7798 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 18.5567, 35.0110, 5.7798

Background



This preview shows how black text looks on a background with the XYZ color 18.5567, 35.0110, 5.7798.



This preview shows how white text looks on a background with the XYZ color 18.5567, 35.0110,

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

18.5567, 35.0110, 5.7798

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

34.8257, 34.1013, 6.6661



Tritanopia

27.6343, 34.8527, 51.1697

Trichromacy



Original Color

18.5567, 35.0110, 5.7798



Protanomaly

23.6755, 32.9918, 5.1202



Deuteranomaly

24.9499, 32.0218, 5.7855



Tritanomaly

21.8559, 33.9365, 22.5380

Monochromacy



Original Color

18.5567, 35.0110, 5.7798



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.7272, 23.7190, 11.0937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5567, 35.0110, 5.7798 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(52, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 184, 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(52, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.5567, 35.0110, 5.7798 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(52, 184, 0) }
```


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

```
.border{ border-color:rgb(52, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 184, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5567, 35.0110, 5.7798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 184, 0) }
```

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

```
.background{ background-color: rgb(52, 184,  
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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