

Converting Colors

XYZ(18.2261, 34.5818, 5.7149)

Have a look what the booklet for
XYZ(18.2261, 34.5818, 5.7149)
contains.

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Color

**XYZ(18.2001, 34.5199,
5.7038)**

Conversions

Conversions Part 1

Format	Color
Hex	31B700
RGB	49, 183, 0
RGB Percent	19%, 72%, 0%
CMY	0.8078, 0.2823, 0.9999
CMYK	0.73, 0.00, 1.00, 0.28
HSL	104°, 100%, 36%
HSV	104°, 100%, 72%
XYZ	18.2001, 34.5199, 5.7038
YIQ	122.0720, -21.1210, -85.3210

Conversions

Conversions Part 2

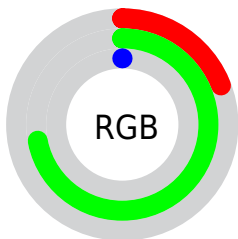
Format	Color
RYB	0, 183, 134
Decimal	3258112
CIELab	65.37, -62.55, 65.46
CIELCh	65, 90.547, 133.698
Yxy	34.5199, 0.3115, 0.5909
Android (android.graphics.Color)	4281448192 (0xFF31B700)
YUV	122.0720, -60.1815, -64.0841
Hunter-Lab	58.7536, -47.5250, 35.3717

Details

The XYZ color **18.2001, 34.5199, 5.7038** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **18.3830, 8.4897, 45.4713**, and the grayscale version is **18.7192, 19.6941, 21.4468**.

A 20% lighter version of the original color is **39.8358, 66.6379, 17.7840**, and **7.7192, 15.4383, 2.5731** is the 20% darker color. If you saturate the color by 10%, you get **18.2001, 34.5209, 5.7040**, and if you desaturate by 10%, it is **19.0579, 34.9502, 6.3277**.

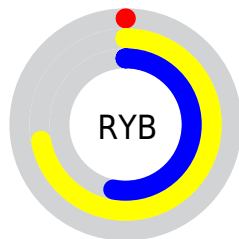
Distribution



Red (19%)

Green (72%)

Blue (0%)



Red (0%)

Yellow (72%)

Blue (53%)

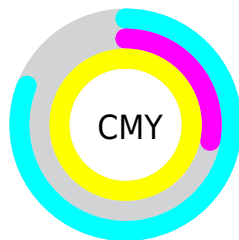


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (81%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2001, 34.5199, 5.7038 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 18.2001, 34.5199, 5.7038 by changing the saturation by 10% instead.


 18.2001, 34.5199,
5.7038


 18.2001, 34.5199,
5.7038


235.0203,
322.4441, 165.6110


 11.1943, 23.2933,
2.6000


 39.9054, 66.7413,
17.7799


 6.2659, 14.8102,
0.8924


 55.3356, 88.5050,
27.5892


 3.0496, 8.6863,
0.0000


 74.3047, 114.5497,
40.4707

 1.1801, 4.5371,
0.0000

 97.1780, 145.2600,
56.8431

 0.0905, 1.9783,
0.0000

 124.3208,
181.0201, 77.1247

 0.0000, 0.5948,
0.0000

 156.0986,

 0.0000, 0.0000,

222.2146, 101.7342

0.0000

192.8767,
269.2278, 131.0901

■ 18.2001, 34.5199,
5.7038

■ 18.2001, 34.5199,
5.7038

■ 18.2001, 34.5209,
5.7040

■ 19.0579, 34.9502,
6.3277

■ 20.2271, 35.5280,
7.5107

■ 21.7614, 36.2774,
9.4598

■ 23.6927, 37.2127,
12.2759

■ 26.0487, 38.3463,
16.0446

■ 28.8547, 39.6896,
20.8411

■ 32.1338, 41.2530,
26.7333

■ 35.9072, 43.0462,
33.7830

■ 40.1952, 45.0782,
42.0476

Harmonies

Analogous

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



27.1533, 34.5199, 1.9501



18.2001, 34.5199, 5.7038



13.9653, 34.5199, 20.6359

Triad

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



18.2001, 34.5199, 5.7038



26.1818, 34.5199, 159.6326



64.2072, 34.5199, 22.8531

Complementary

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



18.2001, 34.5199, 5.7038



18.3830, 8.4897, 45.4713

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.



63.7407, 34.5199, 61.9382



18.2001, 34.5199, 5.7038



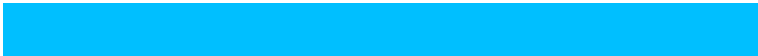
39.2026, 34.5199, 161.8884

Square

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



18.2001, 34.5199, 5.7038



17.6543, 34.5199, 113.6094



53.6818, 34.5199, 118.5696



54.8238, 34.5199, 6.3955

Rectangle

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



18.2001, 34.5199, 5.7038



13.4243, 34.5199, 42.4777



53.6818, 34.5199, 118.5696



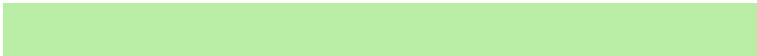
65.2609, 34.5199, 33.0856

Sweetspot

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



18.2009, 34.5213, 5.7046



57.2304, 73.7290, 47.2936



27.6669, 26.3428, 3.6270



12.0761, 16.0156, 9.4214



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.



18.2009, 34.5213, 5.7046



32.4083, 61.7279, 10.2066



17.3118, 34.0194, 7.6318



9.1099, 10.1733, 9.5904



12.7531, 24.1108, 3.9817



0.5104, 0.8813, 0.1432

Inverse Universe

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



18.3830, 8.4897, 45.4713



32.6903, 15.0841, 81.4243



24.5145, 12.0621, 27.1647



9.1401, 9.0386, 11.3423



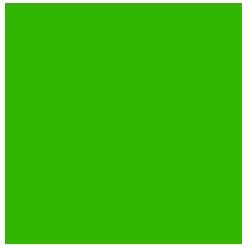
12.8908, 5.9567, 31.7234



0.5098, 0.2385, 1.1209

Previews

White Background



This preview shows how the XYZ color 18.2001, 34.5199, 5.7038 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 18.2001, 34.5199, 5.7038 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 18.2001, 34.5199, 5.7038

Background



This preview shows how black text looks on a background with the XYZ color 18.2001, 34.5199, 5.7038.



This preview shows how white text looks on a background with the XYZ color 18.2001, 34.5199,

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

18.2001, 34.5199, 5.7038

Protanopia

30.5870, 33.9187, 4.9349

Deuteranopia

34.4024, 33.6471, 6.6008



Tritanopia

27.1463, 34.3340, 50.5438

Trichromacy



Original Color

18.2001, 34.5199, 5.7038



Protanomaly

23.1788, 32.4627, 5.0443



Deuteranomaly

24.4219, 31.4892, 5.7106



Tritanomaly

21.3649, 33.4001, 22.1504

Monochromacy



Original Color

18.2001, 34.5199, 5.7038



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.0677, 22.9295, 10.7867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2001, 34.5199, 5.7038 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(49, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 183, 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(49, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 183, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.2001, 34.5199, 5.7038 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(49, 183, 0) }
```


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

```
.border{ border-color:rgb(49, 183, 0) }
```

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

Here you see how a box with a 4 pixel rgb(49, 183, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 183, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2001, 34.5199, 5.7038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 183, 0) }
```

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

```
.background{ background-color: rgb(49, 183,  
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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