

Converting Colors

XYZ(18.8845, 34.9492, 5.7506)

Have a look what the booklet for
XYZ(18.8845, 34.9492, 5.7506)
contains.

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Color

**XYZ(18.8580, 34.8591,
5.7346)**

Conversions

Conversions Part 1

Format	Color
Hex	3DB700
RGB	61, 183, 0
RGB Percent	24%, 72%, 0%
CMY	0.7608, 0.2823, 0.9999
CMYK	0.67, 0.00, 1.00, 0.28
HSL	100°, 100%, 36%
HSV	100°, 100%, 72%
XYZ	18.8580, 34.8591, 5.7346
YIQ	125.6600, -13.9690, -82.7770

Conversions

Conversions Part 2

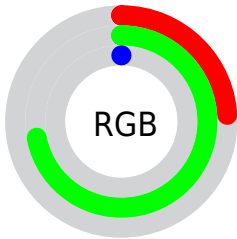
Format	Color
RYB	0, 183, 122
Decimal	4044544
CIELab	65.64, -60.27, 65.79
CIELCh	66, 89.221, 132.493
Yxy	34.8591, 0.3172, 0.5863
Android (android.graphics.Color)	4282234624 (0xFF3DB700)
YUV	125.6600, -61.9504, -56.7068
Hunter-Lab	59.0416, -46.3095, 35.5704

Details

The XYZ color **18.8580, 34.8591, 5.7346** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **16.5771, 7.5587, 45.3869**, and the grayscale version is **19.9243, 20.9619, 22.8275**.

A 20% lighter version of the original color is **40.9571, 67.2160, 17.8365**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **18.8579, 34.8601, 5.7348**, and if you desaturate by 10%, it is **19.8090, 35.3375, 6.3629**.

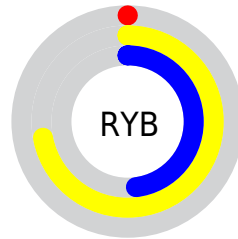
Distribution



Red (24%)

Green (72%)

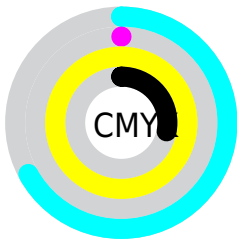
Blue (0%)



Red (0%)

Yellow (72%)

Blue (48%)

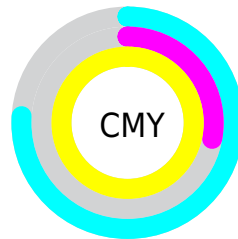


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (76%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8580, 34.8591, 5.7346 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 18.8580, 34.8591, 5.7346 by changing the saturation by 10% instead.


 18.8580, 34.8591,
5.7346


 18.8580, 34.8591,
5.7346


238.6169,
323.9460, 165.9016


 11.6711, 23.5544,
2.6182


 41.0127, 67.2674,
17.8456


 6.5907, 15.0034,
0.9018


 56.7113, 89.1398,
27.6772

 3.2515, 8.8218,
0.0000


 75.9778, 115.3035,
40.5844

 1.2881, 4.6251,
0.0000

 99.1776, 146.1430,
56.9855

 0.1743, 2.0290,
0.0000

 126.6761,
182.0426, 77.2993

 0.0000, 0.6243,
0.0000

 158.8385,

 0.0000, 0.0000,

223.3866, 101.9442

0.0000

196.0304,
270.5597, 131.3388

■ 18.8580, 34.8591,
5.7346

■ 18.8580, 34.8591,
5.7346

■ 18.8579, 34.8601,
5.7348

■ 19.8090, 35.3375,
6.3629

■ 21.0453, 35.9499,
7.5490

■ 22.6164, 36.7183,
9.4998

■ 24.5506, 37.6550,
12.3161

■ 26.8724, 38.7710,
16.0832

■ 29.6041, 40.0760,
20.8762

■ 32.7660, 41.5790,
26.7629

■ 36.3770, 43.2884,
33.8051

■ 40.4549, 45.2121,
42.0599

Harmonies

Analogous

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



27.9746, 34.8591, 2.1015



18.8580, 34.8591, 5.7346



14.4412, 34.8591, 20.1200

Triad

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



18.8580, 34.8591, 5.7346



26.1146, 34.8591, 156.7826



64.3312, 34.8591, 24.3859

Complementary

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



18.8580, 34.8591, 5.7346



16.5771, 7.5587, 45.3869

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.



63.4470, 34.8591, 64.0720



18.8580, 34.8591, 5.7346



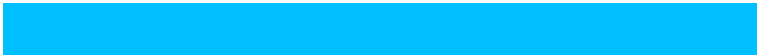
38.8884, 34.8591, 161.0284

Square

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



18.8580, 34.8591, 5.7346



17.8072, 34.8591, 110.5650



53.2383, 34.8591, 119.9260



55.4062, 34.8591, 7.0970

Rectangle

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



18.8580, 34.8591, 5.7346



13.7937, 34.8591, 41.1818



53.2383, 34.8591, 119.9260



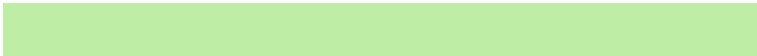
65.2268, 34.8591, 34.9025

Sweetspot

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



18.8588, 34.8606, 5.7354



58.3750, 74.3190, 47.3471



26.4900, 23.9890, 3.2347



12.3501, 16.1569, 9.4342



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.



18.8588, 34.8606, 5.7354



33.5547, 62.3189, 10.2602



17.1755, 33.9649, 6.9139



9.1648, 10.2016, 9.5930



13.2209, 24.3520, 4.0036



0.5335, 0.8932, 0.1443

Inverse Universe

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



16.5771, 7.5587, 45.3869



29.4318, 13.4043, 81.2718



25.2385, 12.3518, 30.9775



9.0823, 9.0088, 11.3396



11.6383, 5.3109, 31.6648



0.4730, 0.2195, 1.1192

Previews

White Background



This preview shows how the XYZ color 18.8580, 34.8591, 5.7346 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 18.8580, 34.8591, 5.7346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

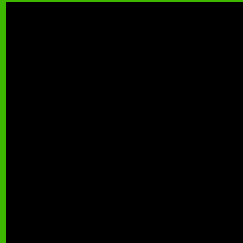
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8580, 34.8591, 5.7346

Background



This preview shows how black text looks on a background with the XYZ color 18.8580, 34.8591, 5.7346.



This preview shows how white text looks on a background with the XYZ color 18.8580, 34.8591,

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

18.8580, 34.8591, 5.7346

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

34.8257, 34.1013, 6.6661



Tritanopia

27.7458, 34.6430, 50.5718

Trichromacy



Original Color

18.8580, 34.8591, 5.7346



Protanomaly

24.1560, 33.2395, 5.1427



Deuteranomaly

25.4902, 32.3004, 5.8108



Tritanomaly

22.1081, 33.7833, 22.1852

Monochromacy



Original Color

18.8580, 34.8591, 5.7346



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.3612, 24.2714, 11.3592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8580, 34.8591, 5.7346 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(61, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 183, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8580, 34.8591, 5.7346 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(61, 183, 0) }
```


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

```
.border{ border-color:rgb(61, 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(61, 183, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 183, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8580, 34.8591, 5.7346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 183, 0) }
```

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

```
.background{ background-color: rgb(61, 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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