

Converting Colors

XYZ(34.5683, 66.1292, 18.4658)

Have a look what the booklet for
XYZ(34.5683, 66.1292, 18.4658)
contains.

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Color

**XYZ(34.5793, 66.1309,
18.5314)**

Conversions

Conversions Part 1

Format	Color
Hex	1CF550
RGB	28, 245, 80
RGB Percent	11%, 96%, 31%
CMY	0.8902, 0.0392, 0.6863
CMYK	0.89, 0.00, 0.67, 0.04
HSL	134°, 92%, 54%
HSV	134°, 89%, 96%
XYZ	34.5793, 66.1309, 18.5314
YIQ	161.3070, -76.3670, -97.3190

Conversions

Conversions Part 2

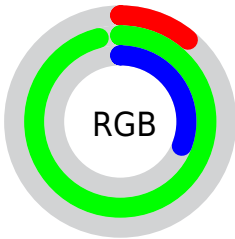
Format	Color
R _Y B	28, 203, 245
Decimal	1897808
CIE Lab	85.06, -78.68, 63.41
CIE LCh	85, 101.049, 141.132
Yxy	66.1309, 0.2900, 0.5546
Android (android.graphics.Color)	4280087888 (0xFF1CF550)
YUV	161.3070, -40.0844, -116.9102
Hunter-Lab	81.3209, -66.4098, 43.4136

Details

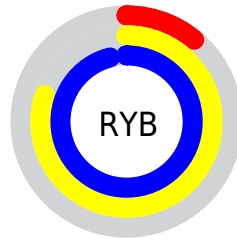
The XYZ color **34.5793, 66.1309, 18.5314** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **47.6991, 24.0944, 52.5907**, and the grayscale version is **34.2273, 36.0098, 39.2147**.

A 20% lighter version of the original color is **47.9497, 77.2906, 35.6839**, and **17.8196, 35.5604, 6.1831** is the 20% darker color. If you saturate the color by 10%, you get **33.5500, 65.6710, 15.3757**, and if you desaturate by 10%, it is **36.3307, 66.9448, 22.7198**.

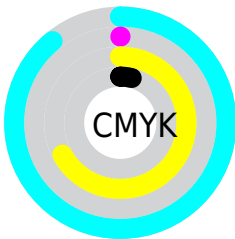
Distribution



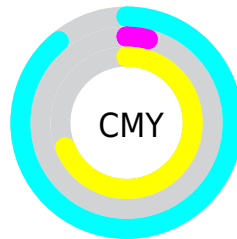
- Red (11%)
- Green (96%)
- Blue (31%)



- Red (11%)
- Yellow (80%)
- Blue (96%)



- Cyan (89%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)





- Cyan (89%)
- Magenta (4%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5793, 66.1309, 18.5314 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 34.5793, 66.1309, 18.5314 by changing the saturation by 10% instead.


 34.5793, 66.1309,
18.5314


 34.5793, 66.1309,
18.5314


314.2481,
446.8449, 256.1854


 23.5040, 48.3787,
11.1588


 66.1718, 113.6742,
41.7669


 15.0888, 34.1269,
6.0582


 87.4198, 144.2340,
58.4668


 8.9685, 22.9911,
2.8112


 112.7893,
179.8319, 79.1129

 4.7776, 14.5869,
0.9990

 142.6458,
220.8521, 104.1238

 2.1508, 8.5300,
0.0000

 177.3545,
267.6791, 133.9179

 0.7166, 4.4359,
0.0000

217.2809,

 0.0000, 1.9203,

320.6974, 168.9139

0.0000

262.7903,
380.2911, 209.5302

■ 0.0000, 0.5605,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5793, 66.1309,
18.5314

■ 34.5793, 66.1309,
18.5314

■ 33.5500, 65.6710,
15.3757


■ 36.3307, 66.9448,
22.7198


■ 33.4357, 65.6202,
15.0023


■ 38.9411, 68.1760,
28.0179


■ 42.5136, 69.8779,
34.4998


■ 47.1351, 72.0940,
42.2316

 52.8823, 74.8626,
51.2748

 59.8246, 78.2182,
61.6864

 68.0257, 82.1926,
73.5203

 77.5449, 86.8153,
86.8274

 88.4374, 92.1136,
101.6561

Harmonies

Analogous

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



48.3679, 66.1309, 6.9667



34.5793, 66.1309, 18.5314



28.7856, 66.1309, 54.3687

Triad

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



34.5793, 66.1309, 18.5314



56.3506, 66.1309, 280.2469



113.1198, 66.1309, 35.6266

Complementary

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



34.5793, 66.1309, 18.5314



47.6991, 24.0944, 52.5907

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.



116.7362, 66.1309, 93.0948



34.5793, 66.1309, 18.5314



79.9806, 66.1309, 263.4549

Square

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



34.5793, 66.1309, 18.5314



39.2083, 66.1309, 220.2095



103.4335, 66.1309, 182.6952



94.4939, 66.1309, 11.8806

Rectangle

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



34.5793, 66.1309, 18.5314



28.9643, 66.1309, 99.0009



103.4335, 66.1309, 182.6952



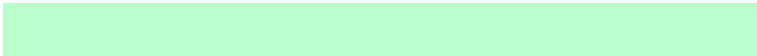
116.2833, 66.1309, 50.4259

Sweetspot

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



34.5809, 66.1336, 18.5329



66.7839, 86.2730, 69.4133



55.2068, 76.9098, 13.0342



13.6900, 18.1734, 13.9681



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.5809, 66.1336, 18.5329



36.6052, 71.8581, 16.3707



42.1171, 69.1481, 58.2181



16.4450, 18.5371, 18.3616



18.0567, 35.3675, 8.3182



1.6257, 3.1239, 0.9347

Inverse Universe

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



47.6991, 24.0944, 52.5907



50.9656, 25.1502, 53.1442



39.7476, 20.9138, 10.7187



17.0339, 16.6964, 19.9251



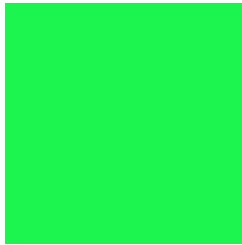
25.1343, 12.3972, 26.4793



2.2489, 1.1055, 2.5368

Previews

White Background



This preview shows how the XYZ color 34.5793, 66.1309, 18.5314 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 34.5793, 66.1309, 18.5314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

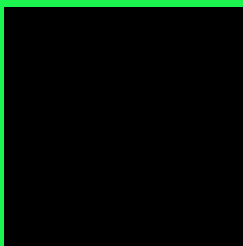
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

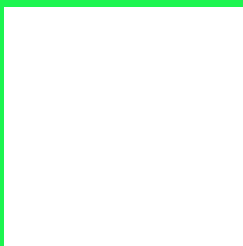
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5793, 66.1309, 18.5314

Background



This preview shows how black text looks on a background with the XYZ color 34.5793, 66.1309, 18.5314.

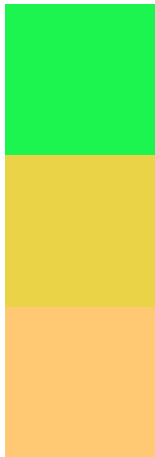


This preview shows how white text looks on a background with the XYZ color 34.5793, 66.1309,

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

34.5793, 66.1309, 18.5314

Protanopia

58.6925, 64.7056, 15.3572

Deuteranopia

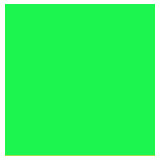
65.2790, 64.2942, 25.4925



Tritanopia

50.4421, 65.6407, 98.8183

Trichromacy



Original Color

34.5793, 66.1309, 18.5314



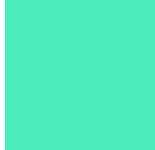
Protanomaly

42.1209, 60.7433, 15.9832



Deuteranomaly

44.2743, 59.3756, 21.9591



Tritanomaly

41.5796, 64.5004, 57.2721

Monochromacy



Original Color

34.5793, 66.1309, 18.5314



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.8245, 42.8759, 28.5338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5793, 66.1309, 18.5314 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(28, 245, 80)` looks like.

```
.text, #text, p{  
    color:rgb(28, 245, 80)  
}
```

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(28, 245, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 245, 80) }
```

Border

The CSS property to change the border of an element to XYZ 34.5793, 66.1309, 18.5314 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(28, 245, 80) }
```


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

```
.border{ border-color:rgb(28, 245, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 245, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 245, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 245, 80);  
box-shadow:4px 4px 4px 4px rgb(28, 245,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5793, 66.1309, 18.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 245, 80) }
```

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

```
.background{ background-color: rgb(28, 245,  
80) }
```

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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