

Converting Colors

XYZ(35.0201, 59.0414, 18.5670)

Have a look what the booklet for
XYZ(35.0201, 59.0414, 18.5670)
contains.

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Color

**XYZ(35.0572, 59.0585,
18.5685)**

Conversions

Conversions Part 1

Format	Color
Hex	67E457
RGB	103, 228, 87
RGB Percent	40%, 89%, 34%
CMY	0.5961, 0.1059, 0.6588
CMYK	0.55, 0.00, 0.62, 0.11
HSL	113°, 72%, 62%
HSV	113°, 62%, 89%
XYZ	35.0572, 59.0585, 18.5685
YIQ	174.5510, -29.2390, -70.3510

Conversions

Conversions Part 2

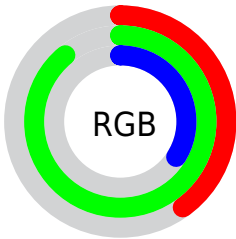
Format	Color
RYB	87, 228, 212
Decimal	6808663
CIELab	81.32, -60.92, 56.89
CIELCh	81, 83.354, 136.960
Yxy	59.0585, 0.3111, 0.5241
Android (android.graphics.Color)	4284998743 (0xFF67E457)
YUV	174.5510, -43.1626, -62.7502
Hunter-Lab	76.8495, -53.0586, 39.4689

Details

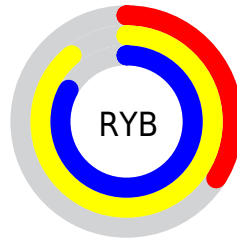
The XYZ color **35.0572, 59.0585, 18.5685** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **44.5665, 26.4170, 76.1521**, and the grayscale version is **40.7435, 42.8653, 46.6803**.

A 20% lighter version of the original color is **55.8776, 81.3356, 37.9536**, and **15.2914, 29.4757, 6.0458** is the 20% darker color. If you saturate the color by 10%, you get **32.2243, 57.6910, 14.3180**, and if you desaturate by 10%, it is **38.7475, 60.8375, 24.3967**.

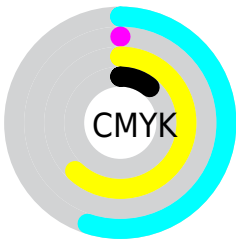
Distribution



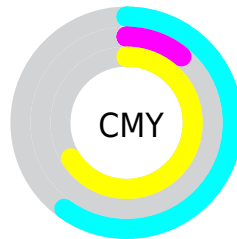
- Red (40%)
- Green (89%)
- Blue (34%)



- Red (34%)
- Yellow (89%)
- Blue (83%)



- Cyan (55%)
- Magenta (0%)
- Yellow (62%)
- Black (11%)



- Cyan (60%)
- Magenta (11%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0572, 59.0585, 18.5685 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 35.0572, 59.0585, 18.5685 by changing the saturation by 10% instead.


 35.0572, 59.0585,
18.5685


 35.0572, 59.0585,
18.5685


316.3243,
421.1187, 256.3990

 23.8737, 42.6602,
11.1853


 66.9078, 103.4627,
41.8306


 15.3642, 29.6186,
6.0758


 88.3056, 132.2374,
58.5466

 9.1633, 19.5493,
2.8217


 113.8388,
165.9063, 79.2105

 4.9058, 12.0678,
1.0043

 143.8729,
204.8539, 104.2410

 2.2263, 6.7899,
0.0000

178.7731,
249.4645, 134.0566

 0.7565, 3.3311,
0.0000

218.9048,

 0.0000, 1.3069,

300.1226, 169.0757

0.0000

264.6335,
357.2125, 209.7170

■ 0.0000, 0.1465,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0572, 59.0585,
18.5685

■ 35.0572, 59.0585,
18.5685

■ 32.2243, 57.6910,
14.3180

■ 38.7475, 60.8375,
24.3967

■ 30.1746, 56.6949,
11.4877


■ 43.3529, 63.0497,
31.9323

■ 28.8284, 56.0347,
9.8948


■ 48.9311, 65.7239,
41.2962


■ 28.1672, 55.7071,
9.2680

■ 55.5337, 68.8843,
52.5970

 63.2087, 72.5537,
65.9350

 72.0012, 76.7531,
81.4036

 81.9533, 81.5025,
99.0903

 87.0346, 83.9692,
106.2282

Harmonies

Analogous

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



46.9275, 59.0585, 9.2974



35.0572, 59.0585, 18.5685



29.4383, 59.0585, 45.0153

Triad

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



35.0572, 59.0585, 18.5685



48.9169, 59.0585, 210.1307



94.6073, 59.0585, 40.2059

Complementary

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



35.0572, 59.0585, 18.5685



44.5665, 26.4170, 76.1521

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.



95.4487, 59.0585, 88.4411



35.0572, 59.0585, 18.5685



66.4706, 59.0585, 206.4171

Square

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



35.0572, 59.0585, 18.5685



36.2530, 59.0585, 162.8502



84.3126, 59.0585, 154.3899



82.2078, 59.0585, 16.6164

Rectangle

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



35.0572, 59.0585, 18.5685



29.0393, 59.0585, 76.6297



84.3126, 59.0585, 154.3899



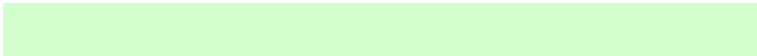
96.3294, 59.0585, 53.3775

Sweetspot

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



35.0586, 59.0610, 18.5698



74.1323, 90.0070, 72.2093



57.1490, 64.0473, 18.3680



15.2902, 18.9891, 14.4580



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.



35.0586, 59.0610, 18.5698



40.7491, 73.9774, 17.3321



36.4872, 59.4404, 34.7705



14.3404, 16.1670, 15.2692



16.3137, 32.1915, 5.3538



1.2563, 2.4050, 0.3980

Inverse Universe

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



44.5665, 26.4170, 76.1521



53.8138, 28.5751, 97.2870



43.0403, 26.3659, 42.8417



14.8257, 14.5279, 18.1671



22.2359, 10.5289, 43.2435



1.6892, 0.8018, 3.1977

Previews

White Background



This preview shows how the XYZ color 35.0572, 59.0585, 18.5685 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 35.0572, 59.0585, 18.5685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

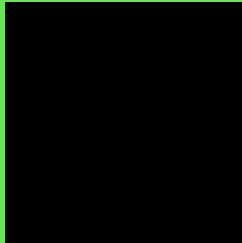
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0572, 59.0585, 18.5685

Background



This preview shows how black text looks on a background with the XYZ color 35.0572, 59.0585, 18.5685.



This preview shows how white text looks on a background with the XYZ color 35.0572, 59.0585,

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

35.0572, 59.0585, 18.5685

Protanopia

52.7294, 58.0258, 15.8181

Deuteranopia

59.1932, 57.9176, 19.6147



Tritanopia

48.1432, 58.8492, 84.4229

Trichromacy



Original Color

35.0572, 59.0585, 18.5685



Protanomaly

43.4077, 56.7814, 16.6547



Deuteranomaly

46.1189, 55.5960, 18.8900



Tritanomaly

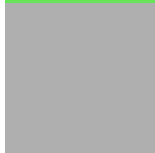
41.4942, 58.0553, 51.6666

Monochromacy



Original Color

35.0572, 59.0585, 18.5685



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.6441, 46.9563, 33.1187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0572, 59.0585, 18.5685 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(103, 228, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 228, 87)  
}
```

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(103, 228, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 228, 87) }
```

Border

The CSS property to change the border of an element to XYZ 35.0572, 59.0585, 18.5685 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(103, 228, 87) }
```


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

```
.border{ border-color:rgb(103, 228, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 228, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 228, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 228, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 228,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0572, 59.0585, 18.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 228, 87) }
```

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

```
.background{ background-color: rgb(103,  
228, 87) }
```

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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