

Converting Colors

XYZ(35.9402, 59.5321, 16.8422)

Have a look what the booklet for
XYZ(35.9402, 59.5321, 16.8422)
contains.

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Color

**XYZ(35.9286, 59.5476,
16.8079)**

Conversions

Conversions Part 1

Format	Color
Hex	71E44E
RGB	113, 228, 78
RGB Percent	44%, 89%, 31%
CMY	0.5569, 0.1059, 0.6941
CMYK	0.50, 0.00, 0.66, 0.11
HSL	106°, 74%, 60%
HSV	106°, 66%, 89%
XYZ	35.9286, 59.5476, 16.8079
YIQ	176.5150, -20.3900, -71.0300

Conversions

Conversions Part 2

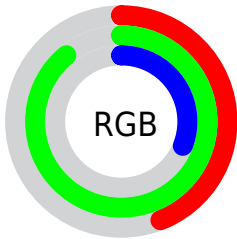
Format	Color
RYB	78, 228, 193
Decimal	7464014
CIELab	81.59, -59.13, 60.97
CIELCh	82, 84.936, 134.120
Yxy	59.5476, 0.3200, 0.5303
Android (android.graphics.Color)	4285654094 (0xFF71E44E)
YUV	176.5150, -48.5679, -55.7027
Hunter-Lab	77.1671, -51.9337, 41.1029

Details

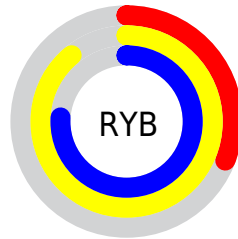
The XYZ color **35.9286, 59.5476, 16.8079** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **38.7236, 22.3898, 75.6828**, and the grayscale version is **41.7911, 43.9675, 47.8806**.

A 20% lighter version of the original color is **57.2272, 82.0977, 35.0206**, and **15.7956, 29.7543, 5.2273** is the 20% darker color. If you saturate the color by 10%, you get **33.2126, 58.2279, 13.1288**, and if you desaturate by 10%, it is **39.3640, 61.2090, 22.0017**.

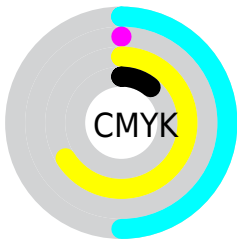
Distribution



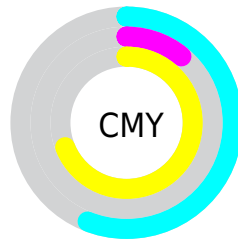
- Red (44%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)




- Cyan (56%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9286, 59.5476, 16.8079 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 35.9286, 59.5476, 16.8079 by changing the saturation by 10% instead.


 35.9286, 59.5476,
16.8079


 35.9286, 59.5476,
16.8079


320.0850,
422.9282, 246.0693

 24.5489, 43.0541,
9.9371


 68.2464, 104.1731,
38.7813

 15.8682, 29.9276,
5.2522


 89.9153, 133.0739,
54.7210


 9.5212, 19.7836,
2.3347


 115.7446,
166.8793, 74.5208

 5.1425, 12.2378,
0.7506

 146.0997,
205.9736, 98.5991

 2.3667, 6.9059,
0.0000

 181.3459,
250.7413, 127.3746

 0.8285, 3.4033,
0.0000

221.8486,

 0.0000, 1.3457,

301.5666, 161.2658

0.0000

267.9732,
358.8342, 200.6911

■ 0.0000, 0.1762,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9286, 59.5476,
16.8079

■ 35.9286, 59.5476,
16.8079

■ 33.2126, 58.2279,
13.1288

■ 39.3640, 61.2090,
22.0017

■ 31.1559, 57.2171,
10.7974


■ 43.5637, 63.2269,
28.8462


■ 29.6946, 56.4884,
9.6141


■ 48.5740, 65.6242,
37.4666

■ 29.2231, 56.2514,
9.3174


■ 54.4359, 68.4196,
47.9750

 61.1876, 71.6306,
60.4743

 68.8651, 75.2736,
75.0600

 77.5021, 79.3641,
91.8212

 86.2475, 83.5635,
106.1914

 87.0346, 83.9693,
106.2282

Harmonies

Analogous

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



48.6397, 59.5476, 8.6242



35.9286, 59.5476, 16.8079



29.6121, 59.5476, 41.5109

Triad

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



35.9286, 59.5476, 16.8079



47.7260, 59.5476, 212.5509



96.7819, 59.5476, 43.7127

Complementary

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



35.9286, 59.5476, 16.8079



38.7236, 22.3898, 75.6828

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.



96.3927, 59.5476, 95.5851



35.9286, 59.5476, 16.8079



65.3807, 59.5476, 214.2780

Square

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



35.9286, 59.5476, 16.8079



35.3814, 59.5476, 160.0260



83.9777, 59.5476, 163.9523



84.9501, 59.5476, 17.6899

Rectangle

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



35.9286, 59.5476, 16.8079



28.8271, 59.5476, 72.1505



83.9777, 59.5476, 163.9523



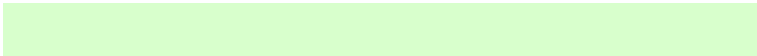
98.1428, 59.5476, 58.0356

Sweetspot

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



35.9300, 59.5501, 16.8092



74.9480, 90.4631, 70.6377



52.4426, 55.1868, 15.0967



15.5206, 19.1148, 14.1563



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.



35.9300, 59.5501, 16.8092



41.7318, 74.5229, 15.6197



34.1572, 58.4173, 26.6164



14.5024, 16.2506, 15.2768



16.9604, 32.5249, 5.3840



1.3340, 2.4451, 0.4016

Inverse Universe

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



38.7236, 22.3898, 75.6828



45.3611, 23.2267, 96.7001



43.7987, 25.5752, 50.2076



14.6492, 14.4369, 18.1588



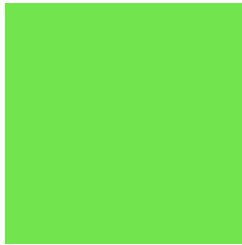
18.3790, 8.5406, 43.0630



1.4381, 0.6723, 3.1859

Previews

White Background



This preview shows how the XYZ color 35.9286, 59.5476, 16.8079 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 35.9286, 59.5476, 16.8079 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 35.9286, 59.5476, 16.8079

Background



This preview shows how black text looks on a background with the XYZ color 35.9286, 59.5476, 16.8079.



This preview shows how white text looks on a background with the XYZ color 35.9286, 59.5476,

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

35.9286, 59.5476, 16.8079

Protanopia

53.3092, 58.7035, 14.4825

Deuteranopia

59.7620, 58.5772, 17.8296



Tritanopia

49.2325, 59.0525, 83.6663

Trichromacy



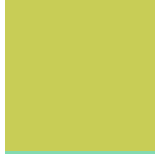
Original Color

35.9286, 59.5476, 16.8079



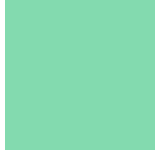
Protanomaly

44.2975, 57.2733, 15.1987



Deuteranomaly

47.3305, 56.6139, 17.2371



Tritanomaly

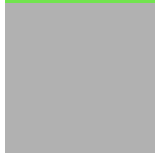
42.1693, 58.0632, 49.5422

Monochromacy



Original Color

35.9286, 59.5476, 16.8079



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.8741, 48.2730, 32.5207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9286, 59.5476, 16.8079 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(113, 228, 78)` looks like.

```
.text, #text, p{  
    color:rgb(113, 228, 78)  
}
```

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(113, 228, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 228, 78) }
```

Border

The CSS property to change the border of an element to XYZ 35.9286, 59.5476, 16.8079 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(113, 228, 78) }
```


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

```
.border{ border-color:rgb(113, 228, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 228, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 228, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 228, 78);  
box-shadow:4px 4px 4px 4px rgb(113, 228,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9286, 59.5476, 16.8079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 228, 78) }
```

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

```
.background{ background-color: rgb(113,  
228, 78) }
```

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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