

# Converting Colors

XYZ(34.8859, 59.6268, 28.4574)

Have a look what the booklet for  
XYZ(34.8859, 59.6268, 28.4574)  
contains.

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# Color

**XYZ(34.8525, 59.5602,  
28.3982)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 4CE67B                       |
| RGB         | 76, 230, 123                 |
| RGB Percent | 30%, 90%, 48%                |
| CMY         | 0.7019, 0.0980, 0.5176       |
| CMYK        | 0.67, 0.00, 0.47, 0.10       |
| HSL         | 138°, 75%, 60%               |
| HSV         | 138°, 67%, 90%               |
| XYZ         | 34.8525, 59.5602, 28.3982    |
| YIQ         | 171.7560, -57.4370, -65.9250 |

# Conversions

## Conversions Part 2

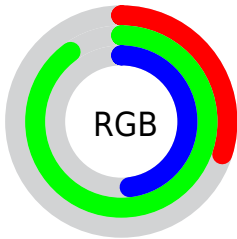
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 76, 194, 230                    |
| Decimal                             | 5039739                         |
| CIELab                              | 81.60, -62.81, 40.49            |
| CIELCh                              | 82, 74.726, 147.190             |
| Yxy                                 | 59.5602, 0.2838,<br>0.4850      |
| Android<br>(android.graphics.Color) | 4283229819<br>(0xFF4CE67B)      |
| YUV                                 | 171.7560, -24.0367,<br>-83.9780 |
| Hunter-Lab                          | 77.1753, -54.4457,<br>32.2057   |

# Details

The XYZ color **34.8525, 59.5602, 28.3982** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **43.7667, 25.4120, 47.4002**, and the grayscale version is **39.2292, 41.2721, 44.9453**.

A 20% lighter version of the original color is **54.6803, 80.3570, 54.2235**, and **16.1133, 30.3550, 11.1407** is the 20% darker color. If you saturate the color by 10%, you get **32.4213, 58.4148, 23.4824**, and if you desaturate by 10%, it is **38.1029, 61.1123, 34.2075**.

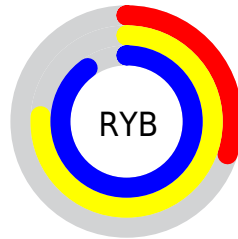
# Distribution



Red (30%)

Green (90%)

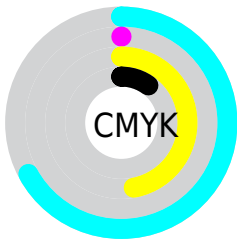
Blue (48%)



Red (30%)

Yellow (76%)

Blue (90%)

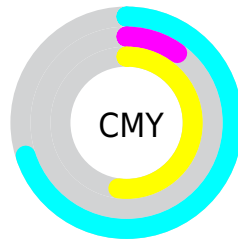


Cyan (67%)

Magenta (0%)

Yellow (47%)

Black (10%)



Cyan (70%)

Magenta (10%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8525, 59.5602, 28.3982 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 34.8525, 59.5602, 28.3982 by changing the saturation by 10% instead.





 34.8525, 59.5602,  
28.3982


 34.8525, 59.5602,  
28.3982


315.4362,  
422.9748, 308.3364


 23.7153, 43.0642,  
18.3844


 66.5927, 104.1914,  
58.1503


 15.2461, 29.9355,  
11.0540


 87.9264, 133.0955,  
78.7257

 9.0797, 19.7897,  
5.9886

 113.3897,  
166.9043, 103.6586

 4.8508, 12.2422,  
2.7694

 143.3478,  
206.0024, 133.3677

 2.1938, 6.9089,  
0.9782

178.1661,  
250.7741, 168.2715

 0.7395, 3.4052,  
0.0000

218.2101,

 0.0000, 1.3467,

301.6038, 208.7885

0.0000

263.8450,  
358.8759, 255.3373

■ 0.0000, 0.1770,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.8525, 59.5602,  
28.3982

■ 34.8525, 59.5602,  
28.3982

■ 32.4213, 58.4148,  
23.4824

■ 38.1029, 61.1123,  
34.2075

■ 30.7235, 57.6280,  
19.4108


■ 42.2379, 63.0991,  
40.9479


■ 29.6577, 57.1499,  
16.1353


■ 47.3212, 65.5542,  
48.6599

■ 29.4096, 57.0406,  
15.2866


■ 53.4091, 68.5059,  
57.3803

 60.5534, 71.9803,  
67.1440

 68.8025, 76.0014,  
77.9840

 78.2013, 80.5920,  
89.9321

 86.9268, 84.8115,  
102.9313

 87.5879, 85.0759,  
106.4126

# Harmonies

## Analogous

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



43.9141, 59.5602, 14.3608



34.8525, 59.5602, 28.3982



31.5090, 59.5602, 60.7075

# Triad

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



34.8525, 59.5602, 28.3982



55.1443, 59.5602, 195.0757



87.9065, 59.5602, 32.8416

# Complementary

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



34.8525, 59.5602, 28.3982



43.7667, 25.4120, 47.4002

# 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.



92.4027, 59.5602, 69.1788



34.8525, 59.5602, 28.3982



71.5441, 59.5602, 176.0516

# Square

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



34.8525, 59.5602, 28.3982



41.7870, 59.5602, 167.9382



85.9384, 59.5602, 123.8324



74.5799, 59.5602, 15.9674



# Rectangle

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



34.8525, 59.5602, 28.3982



32.4047, 59.5602, 93.8828



85.9384, 59.5602, 123.8324



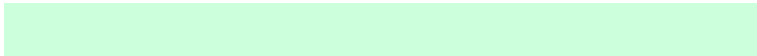
90.5967, 59.5602, 42.5215

# Sweetspot

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



34.8540, 59.5626, 28.3996



73.5225, 89.5016, 80.8088



49.3227, 67.2839, 17.2255



15.1872, 18.8897, 16.5465



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.



34.8540, 59.5626, 28.3996



40.1205, 73.4219, 27.7567



41.6112, 62.2655, 63.9823



14.3695, 16.1612, 16.2106



16.6972, 32.3110, 8.9056



1.2741, 2.4038, 0.8702



# Inverse Universe

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



43.7667, 25.4120, 47.4002



52.0206, 27.4663, 52.8604



37.8626, 23.0503, 16.3092



14.7980, 14.5364, 17.1365



22.1146, 10.9801, 20.0303

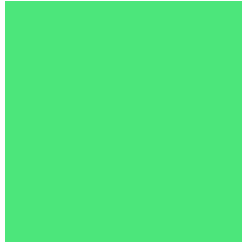


1.6751, 0.8278, 1.6957



# Previews

## White Background



This preview shows how the XYZ color 34.8525, 59.5602, 28.3982 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 34.8525, 59.5602, 28.3982 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 34.8525, 59.5602, 28.3982**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8525, 59.5602, 28.3982.



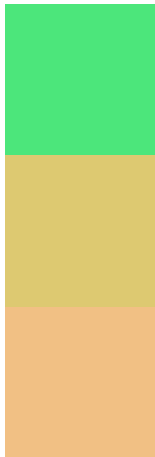
This preview shows how white text looks on a background with the XYZ color 34.8525, 59.5602,



# 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

34.8525, 59.5602, 28.3982

### Protanopia

53.6861, 58.3377, 24.0535

### Deuteranopia

59.2901, 58.0660, 29.9127



## Tritanopia

46.4903, 59.0686, 87.5483

# Trichromacy



## Original Color

34.8525, 59.5602, 28.3982



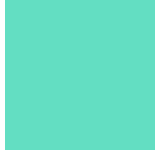
## Protanomaly

42.9028, 56.6962, 25.5119



## Deuteranomaly

45.0898, 55.5513, 29.1149



## Tritanomaly

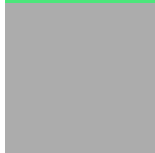
41.0045, 58.7902, 60.2254

# Monochromacy



## Original Color

34.8525, 59.5602, 28.3982



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

35.2192, 45.7914, 37.5542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8525, 59.5602, 28.3982 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(76, 230, 123)` looks like.

```
.text, #text, p{  
    color:rgb(76, 230, 123)  
}
```

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(76, 230, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 230, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8525, 59.5602, 28.3982 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(76, 230, 123) }
```



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

```
.border{ border-color:rgb(76, 230, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 230, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 230, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 230, 123);  
box-shadow:4px 4px 4px 4px rgb(76, 230,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8525, 59.5602, 28.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 230, 123) }
```

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

```
.background{ background-color: rgb(76, 230,  
123) }
```

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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