

# Converting Colors

XYZ(38.4011, 59.7930, 44.3623)

Have a look what the booklet for  
XYZ(38.4011, 59.7930, 44.3623)  
contains.

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# Color

**XYZ(38.3943, 59.8067,  
44.1706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE3A3
RGB	91, 227, 163
RGB Percent	36%, 89%, 64%
CMY	0.6431, 0.1098, 0.3608
CMYK	0.60, 0.00, 0.28, 0.11
HSL	152°, 71%, 62%
HSV	152°, 60%, 89%
XYZ	38.3943, 59.8067, 44.1706
YIQ	179.0400, -60.5120, -48.7360

# Conversions

## Conversions Part 2

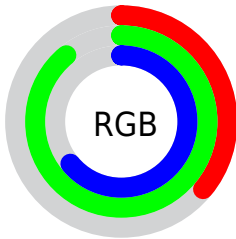
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 180, 227
Decimal	6022051
CIELab	81.73, -51.65, 20.45
CIELCh	82, 55.552, 158.399
Yxy	59.8067, 0.2697, 0.4201
Android (android.graphics.Color)	4284212131 (0xFF5BE3A3)
YUV	179.0400, -7.9077, -77.2111
Hunter-Lab	77.3348, -46.7162, 20.2702

# Details

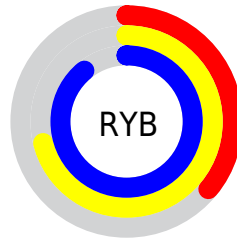
The XYZ color **38.3943, 59.8067, 44.1706** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **41.3379, 26.1809, 33.8870**, and the grayscale version is **42.9343, 45.1702, 49.1904**.

A 20% lighter version of the original color is **61.3638, 83.2574, 79.1657**, and **17.4322, 30.2735, 19.9635** is the 20% darker color. If you saturate the color by 10%, you get **35.5689, 58.4577, 39.2519**, and if you desaturate by 10%, it is **41.9803, 61.5416, 49.5497**.

# Distribution



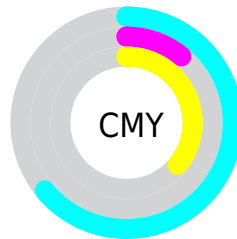
- Red (36%)
- Green (89%)
- Blue (64%)



- Red (36%)
- Yellow (71%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3943, 59.8067, 44.1706 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 38.3943, 59.8067, 44.1706 by changing the saturation by 10% instead.





 38.3943, 59.8067,  
44.1706


 38.3943, 59.8067,  
44.1706


330.5601,  
423.8849, 379.4657


 26.4675, 43.2628,  
30.4665


 72.0121, 104.5492,  
82.7796


 17.3082, 30.0914,  
19.9379


 94.4338, 133.5167,  
108.5216

 10.5511, 19.9080,  
12.1663


 121.0845,  
167.3941, 139.1132

 5.8309, 12.3282,  
6.7331

 152.3295,  
206.5659, 174.9731

 2.7822, 6.9676,  
3.2198

188.5342,  
251.4165, 216.5197

 1.0397, 3.4418,  
1.2080

230.0639,

 0.0000, 1.3665,

302.3303, 264.1717

0.0000

277.2841,  
359.6916, 318.3475

■ 0.0000, 0.1919,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.3943, 59.8067,  
44.1706

■ 38.3943, 59.8067,  
44.1706

■ 35.5689, 58.4577,  
39.2519

■ 41.9803, 61.5416,  
49.5497

■ 33.4343, 57.4541,  
34.7760


■ 46.3795, 63.6846,  
55.3976


■ 31.9149, 56.7589,  
30.7298


■ 51.6449, 66.2644,  
61.7280


■ 30.8794, 56.3044,  
27.0960

■ 57.8236, 69.3049,  
68.5522


 30.8711, 56.3008,  
27.0656

 64.9591, 72.8286,  
75.8816

 73.0922, 76.8562,  
83.7268

 82.2612, 81.4071,  
92.0981

 85.7256, 83.0066,  
100.6886

 86.7602, 83.4204,  
106.1367

# Harmonies

## Analogous

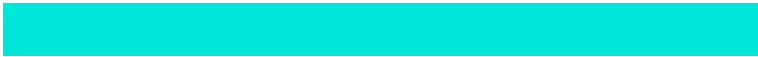
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9890, 59.8067, 26.5628



38.3943, 59.8067, 44.1706



37.3734, 59.8067, 74.9872

# Triad

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



38.3943, 59.8067, 44.1706



60.1930, 59.8067, 151.8725



76.3528, 59.8067, 32.7477

# Complementary

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



38.3943, 59.8067, 44.1706



41.3379, 26.1809, 33.8870

# 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.



82.1201, 59.8067, 56.1575



38.3943, 59.8067, 44.1706



71.9882, 59.8067, 129.7578

# Square

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



38.3943, 59.8067, 44.1706



48.9611, 59.8067, 145.2320



80.4220, 59.8067, 91.8232



65.5317, 59.8067, 21.7172



# Rectangle

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



38.3943, 59.8067, 44.1706



39.2685, 59.8067, 100.8052



80.4220, 59.8067, 91.8232



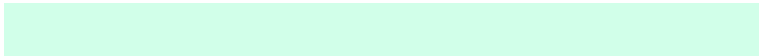
79.0100, 59.8067, 39.0395

# Sweetspot

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



38.3959, 59.8091, 44.1720



76.8479, 90.9960, 90.9041



43.2119, 62.8374, 19.7494



15.9034, 19.2080, 18.8785



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.



38.3959, 59.8091, 44.1720



45.5117, 75.7243, 49.5563



45.0346, 61.4791, 82.1691



14.5066, 16.2161, 16.9324



18.0629, 32.8573, 16.0974



1.3817, 2.4468, 1.4363



# Inverse Universe

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



41.3379, 26.1809, 33.8870



49.6733, 28.2793, 35.0987



37.5063, 24.9630, 12.7396



14.6579, 14.4803, 16.3989



20.0753, 10.1644, 9.2917

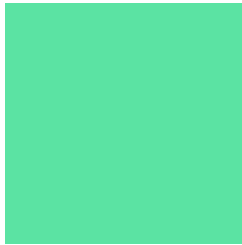


1.5301, 0.7698, 0.9321



# Previews

## White Background



This preview shows how the XYZ color 38.3943, 59.8067, 44.1706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

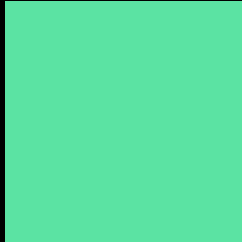
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3943, 59.8067, 44.1706 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 38.3943, 59.8067, 44.1706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3943, 59.8067, 44.1706.



This preview shows how white text looks on a background with the XYZ color 38.3943, 59.8067,



# 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

38.3943, 59.8067, 44.1706

### Protanopia

54.7915, 58.6066, 37.7025

### Deuteranopia

59.8262, 58.6417, 46.1960



## Tritanopia

47.0062, 59.7184, 87.6466

# Trichromacy



## Original Color

38.3943, 59.8067, 44.1706



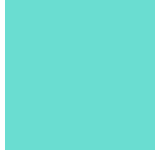
## Protanomaly

45.7576, 57.1177, 39.6235



## Deuteranomaly

48.1024, 56.7564, 44.9790



## Tritanomaly

43.3089, 59.3805, 69.5006

# Monochromacy



## Original Color

38.3943, 59.8067, 44.1706



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

39.3154, 48.7000, 46.8631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3943, 59.8067, 44.1706 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(91, 227, 163)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 163)  
}
```

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(91, 227, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3943, 59.8067, 44.1706 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(91, 227, 163) }
```



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

```
.border{ border-color:rgb(91, 227, 163) }
```

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

Here you see how a box with a 4 pixel rgb(91, 227, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 163);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3943, 59.8067, 44.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 163) }
```

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

```
.background{ background-color: rgb(91, 227,  
163) }
```

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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