

# Converting Colors

XYZ(38.3893, 59.1669, 43.8756)

Have a look what the booklet for  
XYZ(38.3893, 59.1669, 43.8756)  
contains.

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# Color

**XYZ(38.3599, 58.9816,  
44.0131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60E1A3
RGB	96, 225, 163
RGB Percent	38%, 88%, 64%
CMY	0.6235, 0.1176, 0.3608
CMYK	0.57, 0.00, 0.28, 0.12
HSL	151°, 68%, 63%
HSV	151°, 57%, 88%
XYZ	38.3599, 58.9816, 44.0131
YIQ	179.3610, -56.9820, -46.6300

# Conversions

## Conversions Part 2

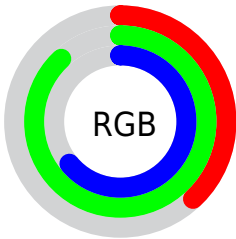
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 181, 225
Decimal	6349219
CIELab	81.28, -49.82, 19.85
CIELCh	81, 53.624, 158.275
Yxy	58.9816, 0.2714, 0.4173
Android (android.graphics.Color)	4284539299 (0xFF60E1A3)
YUV	179.3610, -8.0660, -73.1076
Hunter-Lab	76.7995, -45.2417, 19.7811

# Details

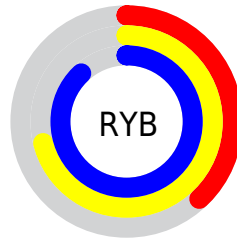
The XYZ color **38.3599, 58.9816, 44.0131** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **41.4076, 26.8431, 35.3485**, and the grayscale version is **43.1051, 45.3499, 49.3861**.

A 20% lighter version of the original color is **62.1252, 83.6499, 79.2014**, and **17.3258, 29.6621, 19.8511** is the 20% darker color. If you saturate the color by 10%, you get **35.3950, 57.5619, 39.0315**, and if you desaturate by 10%, it is **42.0881, 60.7883, 49.4656**.

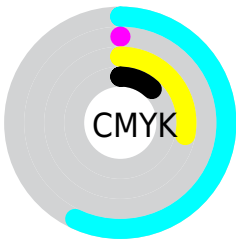
# Distribution



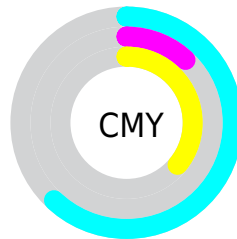
- Red (38%)
- Green (88%)
- Blue (64%)



- Red (38%)
- Yellow (71%)
- Blue (88%)



- Cyan (57%)
- Magenta (0%)
- Yellow (28%)
- Black (12%)




- Cyan (62%)
- Magenta (12%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3599, 58.9816, 44.0131 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 38.3599, 58.9816, 44.0131 by changing the saturation by 10% instead.





 38.3599, 58.9816,  
44.0131


 38.3599, 58.9816,  
44.0131

330.4156,  
420.8337, 378.8047


 26.4406, 42.5983,  
30.3435


 71.9598, 103.3509,  
82.5401


 17.2880, 29.5701,  
19.8452


 94.3711, 132.1057,  
108.2347

 10.5366, 19.5125,  
12.0996


 121.0105,  
165.7532, 138.7747

 5.8211, 12.0412,  
6.6882

 152.2432,  
204.6777, 174.5786

 2.7762, 6.7717,  
3.1924

188.4348,  
249.2636, 216.0650

 1.0366, 3.3198,  
1.1937

229.9504,

 0.0000, 1.3009,

299.8953, 263.6525

0.0000

277.1556,  
356.9572, 317.7595

■ 0.0000, 0.1419,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.3599, 58.9816,  
44.0131

■ 38.3599, 58.9816,  
44.0131

■ 35.3950, 57.5619,  
39.0315

■ 42.0881, 60.7883,  
49.4656

■ 33.1272, 56.4907,  
34.5030


■ 46.6294, 63.0028,  
55.3980


■ 31.4859, 55.7334,  
30.4145


■ 52.0346, 65.6527,  
61.8237

■ 30.3761, 55.2412,  
26.7498


■ 58.3491, 68.7611,  
68.7548


 30.1290, 55.1337,  
25.8405

 65.6148, 72.3494,  
76.2025

 73.8709, 76.4376,  
84.1779

 83.1546, 81.0447,  
92.6916

 85.3460, 81.9845,  
101.3722

 86.2163, 82.3326,  
105.9554

# Harmonies

## Analogous

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



43.7650, 58.9816, 26.9866



38.3599, 58.9816, 44.0131



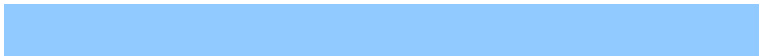
37.3565, 58.9816, 73.5008

# Triad

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



38.3599, 58.9816, 44.0131



59.2132, 58.9816, 146.4943



74.6964, 58.9816, 33.1232

# Complementary

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



38.3599, 58.9816, 44.0131



41.4076, 26.8431, 35.3485

# 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.



80.1510, 58.9816, 55.7570



38.3599, 58.9816, 44.0131



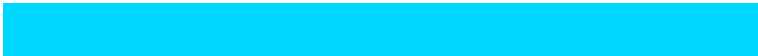
70.4662, 58.9816, 125.7283

# Square

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



38.3599, 58.9816, 44.0131



48.4702, 58.9816, 140.1194



78.5079, 58.9816, 89.8249



64.4039, 58.9816, 22.3121



# Rectangle

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



38.3599, 58.9816, 44.0131



39.1721, 58.9816, 98.0419



78.5079, 58.9816, 89.8249



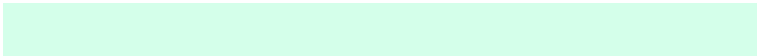
77.2149, 58.9816, 39.2382

# Sweetspot

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



38.3615, 58.9840, 44.0145



77.6855, 91.4151, 91.5164



43.2079, 62.0022, 20.7572



16.2422, 19.3764, 19.1773



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.



38.3615, 58.9840, 44.0145



46.2854, 76.1031, 50.4953



44.7640, 60.6208, 80.5788



13.8246, 15.4556, 16.1114



17.4204, 31.7930, 15.2029



1.2527, 2.2218, 1.2918



# Inverse Universe

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



41.4076, 26.8431, 35.3485



50.7059, 29.5257, 37.9673



37.5460, 25.6167, 14.0325



13.9803, 13.8097, 15.6662



19.5157, 9.8733, 9.3815

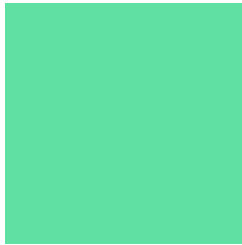


1.3978, 0.7024, 0.8877



# Previews

## White Background



This preview shows how the XYZ color 38.3599, 58.9816, 44.0131 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 38.3599, 58.9816, 44.0131 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

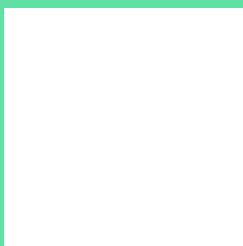
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.3599, 58.9816, 44.0131**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3599, 58.9816, 44.0131.



This preview shows how white text looks on a background with the XYZ color 38.3599, 58.9816,



# 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

38.3599, 58.9816, 44.0131

### Protanopia

54.0533, 57.8717, 38.0272

### Deuteranopia

59.2807, 58.0311, 46.1069



## Tritanopia

46.7351, 58.8465, 85.9861

# Trichromacy



## Original Color

38.3599, 58.9816, 44.0131



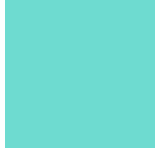
## Protanomaly

45.5958, 56.6592, 39.9856



## Deuteranomaly

48.0978, 56.3977, 44.9100



## Tritanomaly

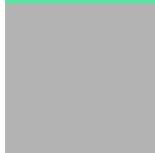
43.1471, 58.5321, 68.6982

# Monochromacy



## Original Color

38.3599, 58.9816, 44.0131



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

39.6772, 48.8865, 46.8800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3599, 58.9816, 44.0131 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(96, 225, 163)` looks like.

```
.text, #text, p{  
    color:rgb(96, 225, 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(96, 225, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 225, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3599, 58.9816, 44.0131 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(96, 225, 163) }
```



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

```
.border{ border-color:rgb(96, 225, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 225, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 225, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 225, 163);  
box-shadow:4px 4px 4px 4px rgb(96, 225,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3599, 58.9816, 44.0131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 225, 163) }
```

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

```
.background{ background-color: rgb(96, 225,  
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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