

# Converting Colors

XYZ(38.2825, 60.7913, 43.5419)

Have a look what the booklet for  
XYZ(38.2825, 60.7913, 43.5419)  
contains.

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# Color

**XYZ(38.3860, 61.0517,  
43.4792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54E6A1
RGB	84, 230, 161
RGB Percent	33%, 90%, 63%
CMY	0.6706, 0.0980, 0.3686
CMYK	0.63, 0.00, 0.30, 0.10
HSL	152°, 74%, 62%
HSV	152°, 63%, 90%
XYZ	38.3860, 61.0517, 43.4792
YIQ	178.4800, -64.8670, -52.4110

# Conversions

## Conversions Part 2

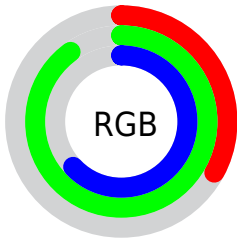
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 180, 230
Decimal	5564065
CIELab	82.41, -54.58, 22.39
CIELCh	82, 58.994, 157.697
Yxy	61.0517, 0.2686, 0.4272
Android (android.graphics.Color)	4283754145 (0xFF54E6A1)
YUV	178.4800, -8.6176, -82.8590
Hunter-Lab	78.1356, -49.0448, 21.7025

# Details

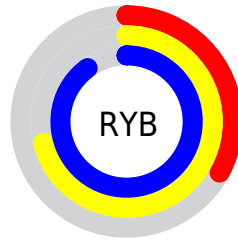
The XYZ color **38.3860, 61.0517, 43.4792** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **41.5552, 25.4649, 32.8643**, and the grayscale version is **42.6416, 44.8623, 48.8551**.

A 20% lighter version of the original color is **60.1873, 82.6809, 77.7526**, and **17.7039, 30.9913, 19.5168** is the 20% darker color. If you saturate the color by 10%, you get **35.7382, 59.7944, 38.5677**, and if you desaturate by 10%, it is **41.7959, 62.6956, 48.8641**.

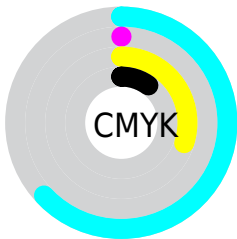
# Distribution



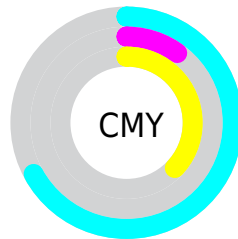
- Red (33%)
- Green (90%)
- Blue (63%)



- Red (33%)
- Yellow (71%)
- Blue (90%)



- Cyan (63%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)




- Cyan (67%)
- Magenta (10%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3860, 61.0517, 43.4792 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 38.3860, 61.0517, 43.4792 by changing the saturation by 10% instead.





 38.3860, 61.0517,  
43.4792


 38.3860, 61.0517,  
43.4792


330.5252,  
428.4635, 376.5577


 26.4610, 44.2669,  
29.9271


 71.9995, 106.3538,  
81.7276


 17.3033, 30.8804,  
19.5317


 94.4187, 135.6399,  
107.2610

 10.5476, 20.5078,  
11.8744


 121.0666,  
169.8618, 137.6252

 5.8286, 12.7647,  
6.5367

 152.3087,  
209.4040, 173.2388

 2.7808, 7.2667,  
3.1001

188.5102,  
254.6509, 214.5203

 1.0389, 3.6295,  
1.1460

230.0366,

 0.0000, 1.4685,

305.9869, 261.8883

0.0000

277.2531,  
363.7963, 315.7612

■ 0.0000, 0.2664,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.3860, 61.0517,  
43.4792

■ 38.3860, 61.0517,  
43.4792

■ 35.7382, 59.7944,  
38.5677

■ 41.7959, 62.6956,  
48.8641

■ 33.7767, 58.8798,  
34.1111


■ 46.0250, 64.7502,  
54.7318


■ 32.4171, 58.2663,  
30.0953


■ 51.1299, 67.2463,  
61.0964

■ 31.7676, 57.9838,  
27.7038


■ 57.1607, 70.2094,  
67.9703

 64.1638, 73.6632,  
75.3651

 72.1821, 77.6297,  
83.2924

 81.2561, 82.1294,  
91.7629

 86.4757, 84.6310,  
100.5558

 87.5880, 85.0759,  
106.4127

# Harmonies

## Analogous

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



44.4460, 61.0517, 25.3190



38.3860, 61.0517, 43.4792



37.1891, 61.0517, 76.2011

# Triad

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



38.3860, 61.0517, 43.4792



61.3313, 61.0517, 161.5889



79.3714, 61.0517, 32.4501

# Complementary

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



38.3860, 61.0517, 43.4792



41.5552, 25.4649, 32.8643

# 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.



85.4806, 61.0517, 57.6137



38.3860, 61.0517, 43.4792



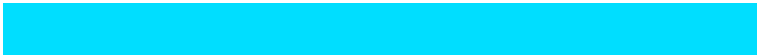
74.1278, 61.0517, 137.8213

# Square

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



38.3860, 61.0517, 43.4792



49.3157, 61.0517, 153.4796



83.4345, 61.0517, 96.4157



67.7100, 61.0517, 20.7460



# Rectangle

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



38.3860, 61.0517, 43.4792



39.1217, 61.0517, 104.1935



83.4345, 61.0517, 96.4157



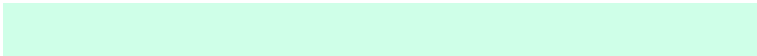
82.2139, 61.0517, 39.1736

# Sweetspot

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



38.3876, 61.0542, 43.4806



75.9465, 90.5527, 89.8954



43.3336, 64.1622, 18.4888



15.7269, 19.1214, 18.6744



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.



38.3876, 61.0542, 43.4806



44.3442, 75.1774, 47.0156



45.5654, 62.8493, 84.5955



14.5053, 16.2156, 16.9258



18.0467, 32.8508, 16.0120



1.3805, 2.4463, 1.4301



# Inverse Universe

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



41.5552, 25.4649, 32.8643



48.6521, 26.9119, 32.6775



37.5976, 24.1893, 11.0756



14.6591, 14.4808, 16.4054



20.0895, 10.1700, 9.3661

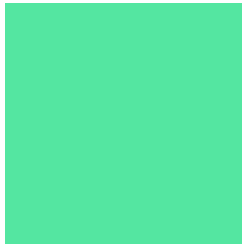


1.5312, 0.7702, 0.9378



# Previews

## White Background



This preview shows how the XYZ color 38.3860, 61.0517, 43.4792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

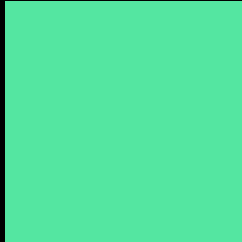
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3860, 61.0517, 43.4792 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 38.3860, 61.0517, 43.4792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3860, 61.0517, 43.4792.



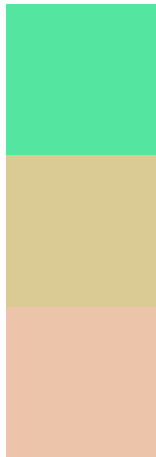
This preview shows how white text looks on a background with the XYZ color 38.3860, 61.0517,



# 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

38.3860, 61.0517, 43.4792

### Protanopia

55.6942, 59.7872, 37.0385

### Deuteranopia

61.1623, 60.0066, 45.8949



## Tritanopia

47.5814, 60.7390, 90.1049

# Trichromacy



## Original Color

38.3860, 61.0517, 43.4792



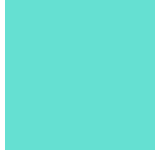
## Protanomaly

45.9062, 58.3234, 38.9750



## Deuteranomaly

48.2612, 57.5682, 44.6445



## Tritanomaly

43.6553, 60.7312, 70.3942

# Monochromacy



## Original Color

38.3860, 61.0517, 43.4792



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

38.9142, 48.8404, 46.4059

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3860, 61.0517, 43.4792 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(84, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(84, 230, 161)  
}
```

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(84, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 230, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3860, 61.0517, 43.4792 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(84, 230, 161) }
```



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

```
.border{ border-color:rgb(84, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(84, 230,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3860, 61.0517, 43.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 230, 161) }
```

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

```
.background{ background-color: rgb(84, 230,  
161) }
```

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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