

# Converting Colors

XYZ(38.5212, 61.2752, 45.9979)

Have a look what the booklet for  
XYZ(38.5212, 61.2752, 45.9979)  
contains.

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# Color

**XYZ(38.6007, 61.5247,  
45.9174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EE7A6
RGB	78, 231, 166
RGB Percent	31%, 91%, 65%
CMY	0.6941, 0.0941, 0.3490
CMYK	0.66, 0.00, 0.28, 0.09
HSL	155°, 76%, 61%
HSV	155°, 66%, 91%
XYZ	38.6007, 61.5247, 45.9174
YIQ	177.8430, -70.3230, -52.6510

# Conversions

## Conversions Part 2

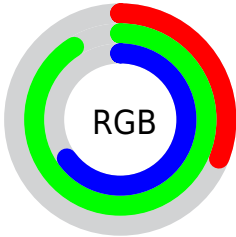
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 175, 231
Decimal	5171110
CIELab	82.66, -54.99, 20.12
CIELCh	83, 58.552, 159.899
Yxy	61.5247, 0.2643, 0.4213
Android (android.graphics.Color)	4283361190 (0xFF4EE7A6)
YUV	177.8430, -5.8386, -87.5623
Hunter-Lab	78.4377, -49.4226, 20.1980

# Details

The XYZ color **38.6007, 61.5247, 45.9174** 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 **40.6393, 24.4222, 28.5608**, and the grayscale version is **42.2919, 44.4943, 48.4543**.

A 20% lighter version of the original color is **59.9665, 82.4912, 81.1685**, and **18.1733, 31.4870, 21.0394** is the 20% darker color. If you saturate the color by 10%, you get **36.1640, 60.3702, 41.2826**, and if you desaturate by 10%, it is **41.7738, 63.0541, 50.9480**.

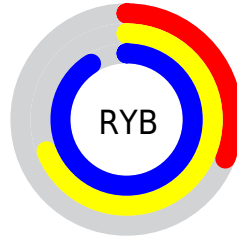
# Distribution



Red (31%)

Green (91%)

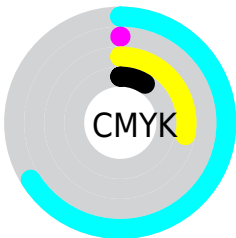
Blue (65%)



Red (31%)

Yellow (69%)

Blue (91%)

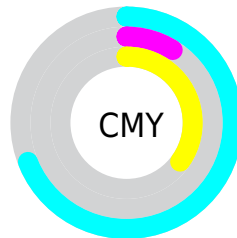


Cyan (66%)

Magenta (0%)

Yellow (28%)

Black (9%)



Cyan (69%)

Magenta (9%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6007, 61.5247, 45.9174 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 38.6007, 61.5247, 45.9174 by changing the saturation by 10% instead.





 38.6007, 61.5247,  
45.9174


 38.6007, 61.5247,  
45.9174


331.4263,  
430.1952, 386.7444


 26.6286, 44.6488,  
31.8325


 72.3259, 107.0383,  
85.4283


 17.4296, 31.1809,  
20.9698


 94.8097, 136.4447,  
111.6914

 10.6385, 20.7366,  
12.9109


 121.5281,  
170.7968, 142.8510

 5.8898, 12.9316,  
7.2372

 152.8464,  
210.4789, 179.3255

 2.8182, 7.3815,  
3.5302

189.1300,  
255.8754, 221.5336

 1.0584, 3.7018,  
1.3713

230.7443,

 0.0000, 1.5082,

307.3707, 269.8937

0.1192

278.0546,  
365.3491, 324.8245

■ 0.0000, 0.2945,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.6007, 61.5247,  
45.9174

■ 38.6007, 61.5247,  
45.9174

■ 36.1640, 60.3702,  
41.2826

■ 41.7738, 63.0541,  
50.9480

■ 34.3840, 59.5450,  
37.0280


■ 45.7425, 64.9839,  
56.3809


■ 33.1698, 59.0037,  
33.1423


■ 50.5651, 67.3456,  
62.2277


■ 32.8012, 58.8437,  
31.7697


■ 56.2930, 70.1656,  
68.4979

 62.9736, 73.4681,  
75.2008

 70.6505, 77.2755,  
82.3454

 79.3648, 81.6089,  
89.9402

 86.2245, 84.9771,  
97.8564

 87.7592, 85.5909,  
105.9381

# Harmonies

## Analogous

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



44.3118, 61.5247, 26.7003



38.6007, 61.5247, 45.9174



37.7641, 61.5247, 79.6001

# Triad

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



38.6007, 61.5247, 45.9174



62.7290, 61.5247, 160.8561



79.0343, 61.5247, 31.6935

# Complementary

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



38.6007, 61.5247, 45.9174



40.6393, 24.4222, 28.5608

# 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.



85.6455, 61.5247, 55.7872



38.6007, 61.5247, 45.9174



75.3796, 61.5247, 135.3083

# Square

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



38.6007, 61.5247, 45.9174



50.5628, 61.5247, 155.2146



84.2199, 61.5247, 93.6872



67.1776, 61.5247, 20.7635



# Rectangle

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



38.6007, 61.5247, 45.9174



39.9377, 61.5247, 107.7278



84.2199, 61.5247, 93.6872



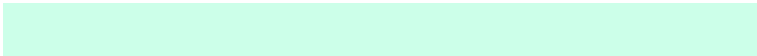
82.0157, 61.5247, 38.0853

# Sweetspot

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



38.6023, 61.5272, 45.9188



75.4174, 90.2596, 90.7872



41.5070, 63.6608, 17.3085



15.6390, 19.0704, 18.9258



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.



38.6023, 61.5272, 45.9188



44.4577, 75.1720, 49.9070



43.3713, 58.9990, 84.7063



14.5350, 16.2274, 17.0823



18.4515, 33.0127, 18.1435



1.4097, 2.4580, 1.5842



# Inverse Universe

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



40.6393, 24.4222, 28.5608



47.2084, 25.7247, 26.9552



37.8380, 24.5526, 9.9532



14.6298, 14.4691, 16.2510



19.7738, 10.0437, 7.7039

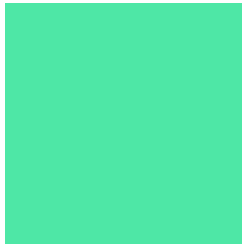


1.5069, 0.7605, 0.8097



# Previews

## White Background



This preview shows how the XYZ color 38.6007, 61.5247, 45.9174 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 38.6007, 61.5247, 45.9174 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

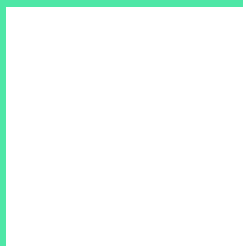
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.6007, 61.5247, 45.9174**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6007, 61.5247, 45.9174.



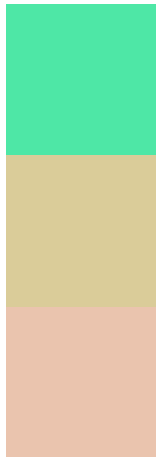
This preview shows how white text looks on a background with the XYZ color 38.6007, 61.5247,

45.9174.

# 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

38.6007, 61.5247, 45.9174

### Protanopia

56.2561, 60.3911, 38.8286

### Deuteranopia

61.3116, 60.0283, 48.3995



## Tritanopia

47.6451, 61.5387, 91.0284

# Trichromacy



## Original Color

38.6007, 61.5247, 45.9174



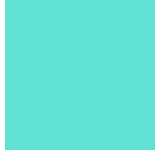
## Protanomaly

46.1545, 58.7772, 41.2603



## Deuteranomaly

48.2826, 57.8883, 47.1569



## Tritanomaly

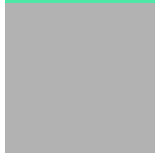
43.6327, 61.0907, 71.7794

# Monochromacy



## Original Color

38.6007, 61.5247, 45.9174



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

38.7616, 48.7393, 47.4091

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6007, 61.5247, 45.9174 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(78, 231, 166)` looks like.

```
.text, #text, p{  
  color:rgb(78, 231, 166)  
}
```

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(78, 231, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 231, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6007, 61.5247, 45.9174 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(78, 231, 166) }
```



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

```
.border{ border-color:rgb(78, 231, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 231, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 231, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 231, 166);  
box-shadow:4px 4px 4px 4px rgb(78, 231,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6007, 61.5247, 45.9174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 231, 166) }
```

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

```
.background{ background-color: rgb(78, 231,  
166) }
```

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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