

# Converting Colors

XYZ(39.3696, 63.6354, 49.9120)

Have a look what the booklet for  
XYZ(39.3696, 63.6354, 49.9120)  
contains.

<b>XYZ(39.2378, 63.4579, 49.7157)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.2378, 63.4579,  
49.7157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EEBAD
RGB	62, 235, 173
RGB Percent	24%, 92%, 68%
CMY	0.7568, 0.0784, 0.3216
CMYK	0.74, 0.00, 0.26, 0.08
HSL	158°, 81%, 58%
HSV	158°, 74%, 92%
XYZ	39.2378, 63.4579, 49.7157
YIQ	176.2050, -83.2060, -55.9580

# Conversions

## Conversions Part 2

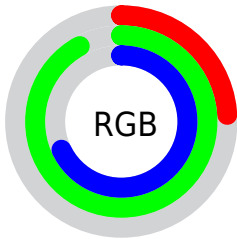
Format	Color
<a href="#">RYB</a>	<a href="#">62, 167, 235</a>
Decimal	<a href="#">4123565</a>
CIELab	<a href="#">83.68, -57.37, 17.86</a>
CIELCh	<a href="#">84, 60.083, 162.708</a>
Yxy	<a href="#">63.4579, 0.2574, 0.4164</a>
Android (android.graphics.Color)	<a href="#">4282313645 (0xFF3EEBAD)</a>
YUV	<a href="#">176.2050, -1.5801, -100.1578</a>
Hunter-Lab	<a href="#">79.6605, -51.4833, 18.7597</a>

# Details

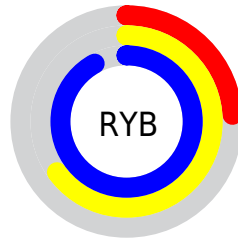
The XYZ color **39.2378, 63.4579, 49.7157** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **39.6239, 22.5643, 21.3387**, and the grayscale version is **41.4148, 43.5716, 47.4495**.

A 20% lighter version of the original color is **59.4186, 82.0827, 86.8406**, and **19.3106, 33.1969, 23.1592** is the 20% darker color. If you saturate the color by 10%, you get **37.2809, 62.5419, 45.5039**, and if you desaturate by 10%, it is **41.8861, 64.7276, 54.2309**.

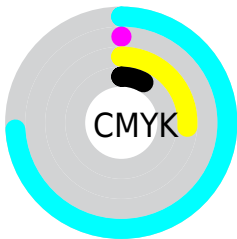
# Distribution



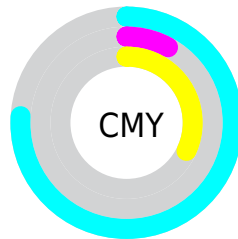
- Red (24%)
- Green (92%)
- Blue (68%)



- Red (24%)
- Yellow (65%)
- Blue (92%)



- Cyan (74%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)




- Cyan (76%)
- Magenta (8%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2378, 63.4579, 49.7157 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 39.2378, 63.4579, 49.7157 by changing the saturation by 10% instead.





 39.2378, 63.4579,  
49.7157


 39.2378, 63.4579,  
49.7157


334.0902,  
437.2294, 402.2563


 27.1263, 46.2117,  
34.8180


 73.2932, 109.8299,  
91.1455


 17.8052, 32.4129,  
23.2402


 95.9678, 139.7244,  
118.5146

 10.9091, 21.6771,  
14.5640


 122.8942,  
174.6040, 150.8779

 6.0726, 13.6198,  
8.3708

 154.4378,  
214.8528, 188.6539

 2.9303, 7.8567,  
4.2420

190.9638,  
260.8554, 232.2612

 1.1170, 4.0034,  
1.7590

232.8376,

 0.0393, 1.6755,

312.9961, 282.1184

0.4007

280.4247,  
371.6593, 338.6439

■ 0.0000, 0.4077,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.2378, 63.4579,  
49.7157

■ 39.2378, 63.4579,  
49.7157

■ 37.2809, 62.5419,  
45.5039

■ 41.8861, 64.7276,  
54.2309


■ 35.9206, 61.9261,  
41.5820


■ 45.2946, 66.3816,  
59.0533


■ 35.2774, 61.6460,  
39.2236


■ 49.5290, 68.4551,  
64.1920


■ 54.6463, 70.9776,  
69.6542

 60.6982, 73.9755,  
75.4468

 67.7324, 77.4734,  
81.5763

 75.7933, 81.4940,  
88.0490

 84.9225, 86.0587,  
94.8711

 88.0178, 87.5062,  
101.7142

# Harmonies

## Analogous

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



44.7293, 63.4579, 28.3535



39.2378, 63.4579, 49.7157



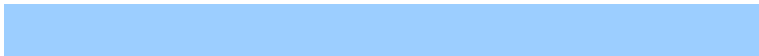
38.8458, 63.4579, 86.2930

# Triad

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



39.2378, 63.4579, 49.7157



66.0539, 63.4579, 166.6330



80.8839, 63.4579, 30.6777

# Complementary

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



39.2378, 63.4579, 49.7157



39.6239, 22.5643, 21.3387

# 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.



88.5180, 63.4579, 54.3485



39.2378, 63.4579, 49.7157



79.1559, 63.4579, 137.1944

# Square

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



39.2378, 63.4579, 49.7157



53.1020, 63.4579, 163.9494



87.8432, 63.4579, 92.9507



68.1529, 63.4579, 20.4303



# Rectangle

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



39.2378, 63.4579, 49.7157



41.4310, 63.4579, 116.1145



87.8432, 63.4579, 92.9507



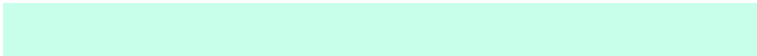
84.2089, 63.4579, 36.8691

# Sweetspot

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



39.2395, 63.4604, 49.7172



74.2667, 89.6405, 91.9049



39.1008, 64.1598, 14.8817



15.4364, 18.9586, 19.2528



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.



39.2395, 63.4604, 49.7172



44.0093, 74.8836, 52.4736



40.5109, 54.0785, 86.9032



15.2752, 17.0249, 18.1322



19.6959, 34.3328, 22.1613



1.5922, 2.7142, 1.9805



# Inverse Universe

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



39.6239, 22.5643, 21.3387



44.5902, 23.3674, 17.2062



38.3862, 24.5193, 7.2680



15.2885, 15.1433, 16.8046



20.0187, 10.2102, 5.8997

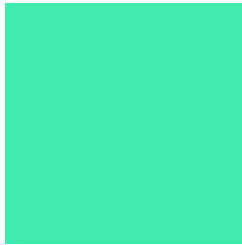


1.6165, 0.8196, 0.6977



# Previews

## White Background



This preview shows how the XYZ color 39.2378, 63.4579, 49.7157 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 39.2378, 63.4579, 49.7157 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

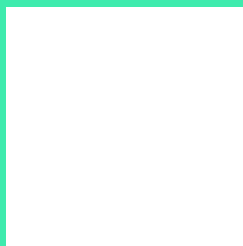
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.2378, 63.4579, 49.7157**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2378, 63.4579, 49.7157.



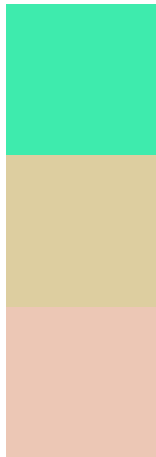
This preview shows how white text looks on a background with the XYZ color 39.2378, 63.4579,



# 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

39.2378, 63.4579, 49.7157

### Protanopia

58.2353, 62.0528, 42.1658

### Deuteranopia

63.3560, 62.0159, 52.3471



## Tritanopia

48.2448, 63.3573, 95.2744

# Trichromacy



## Original Color

39.2378, 63.4579, 49.7157



## Protanomaly

46.7086, 60.1289, 44.7415



## Deuteranomaly

48.8129, 59.1856, 50.9707



## Tritanomaly

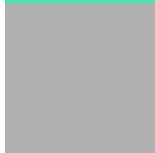
44.2415, 62.9396, 76.1465

# Monochromacy



## Original Color

39.2378, 63.4579, 49.7157



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

37.6958, 48.1785, 47.8701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2378, 63.4579, 49.7157 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(62, 235, 173)` looks like.

```
.text, #text, p{  
    color:rgb(62, 235, 173)  
}
```

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(62, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 235, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2378, 63.4579, 49.7157 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(62, 235, 173) }
```



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

```
.border{ border-color:rgb(62, 235, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 235, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 235, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 235, 173);  
box-shadow:4px 4px 4px 4px rgb(62, 235,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2378, 63.4579, 49.7157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 235, 173) }
```

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

```
.background{ background-color: rgb(62, 235,  
173) }
```

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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