

# Converting Colors

XYZ(38.8413, 57.4717, 68.4025)

Have a look what the booklet for  
XYZ(38.8413, 57.4717, 68.4025)  
contains.

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# Color

**XYZ(38.9226, 57.5267,  
68.7268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34DED0
RGB	52, 222, 208
RGB Percent	20%, 87%, 82%
CMY	0.7960, 0.1294, 0.1843
CMYK	0.77, 0.00, 0.06, 0.13
HSL	175°, 72%, 54%
HSV	175°, 77%, 87%
XYZ	38.9226, 57.5267, 68.7268
YIQ	169.5740, -96.8260, -40.3940

# Conversions

## Conversions Part 2

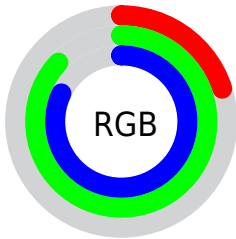
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 141, 222
Decimal	3464912
CIELab	80.47, -44.54, -5.22
CIELCh	80, 44.846, 186.691
Yxy	57.5267, 0.2356, 0.3483
Android (android.graphics.Color)	4281654992 (0xFF34DED0)
YUV	169.5740, 18.9440, -103.1124
Hunter-Lab	75.8464, -41.1290, -0.6321

# Details

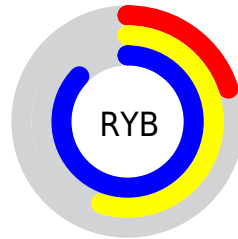
The XYZ color **38.9226, 57.5267, 68.7268** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.3375, 18.3806, 6.9997**, and the grayscale version is **37.9422, 39.9181, 43.4709**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **19.4690, 29.6055, 35.2602** is the 20% darker color. If you saturate the color by 10%, you get **37.8137, 56.9822, 67.5084**, and if you desaturate by 10%, it is **40.5742, 58.3533, 69.9867**.

# Distribution



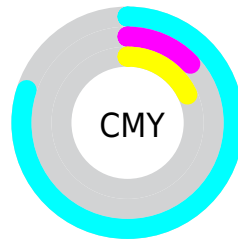
- Red (20%)
- Green (87%)
- Blue (82%)



- Red (20%)
- Yellow (55%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)




- Cyan (80%)
- Magenta (13%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9226, 57.5267, 68.7268 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 38.9226, 57.5267, 68.7268 by changing the saturation by 10% instead.





 38.9226, 57.5267,  
68.7268


 38.9226, 57.5267,  
68.7268


332.7741,  
415.4200, 474.7346


 26.8800, 41.4283,  
50.0189


 72.8149, 101.2333,  
119.0553


 17.6192, 28.6539,  
35.0571


 95.3953, 129.6103,  
151.5130

 10.7750, 18.8191,  
23.4230


 122.2189,  
162.8488, 189.3909

 5.9819, 11.5397,  
14.6979

 153.6513,  
201.3335, 233.1078

 2.8746, 6.4311,  
8.4634

 190.0576,  
245.4485, 283.0820

 1.0878, 3.1089,  
4.3009

231.8033,

 0.0149, 1.1889,

295.5783, 339.7322

1.7918

279.2537,  
352.1074, 403.4769

■ 0.0000, 0.0526,  
0.4225

■ 0.0000, 0.0000,  
0.0000

■ 38.9226, 57.5267,  
68.7268

■ 38.9226, 57.5267,  
68.7268

■ 37.8137, 56.9822,  
67.5084

■ 40.5742, 58.3533,  
69.9867


■ 37.1579, 56.6697,  
66.3234


■ 42.8301, 59.4898,  
71.2872


■ 36.9874, 56.5905,  
65.9229


■ 45.7490, 60.9678,  
72.6323


■ 49.3812, 62.8132,  
74.0245

 53.7722, 65.0495,  
75.4660

 58.9639, 67.6983,  
76.9586

 64.9947, 70.7793,  
78.5044

 71.9010, 74.3113,  
80.1049

 79.7167, 78.3119,  
81.7619

# Harmonies

## Analogous

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



39.9872, 57.5267, 44.6524



38.9226, 57.5267, 68.7268



41.6836, 57.5267, 98.0457

# Triad

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



38.9226, 57.5267, 68.7268



65.9427, 57.5267, 112.6777



61.9802, 57.5267, 26.6788

# Complementary

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



38.9226, 57.5267, 68.7268



32.3375, 18.3806, 6.9997

# 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.



70.1246, 57.5267, 36.9806



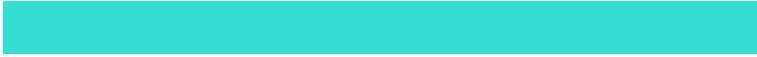
38.9226, 57.5267, 68.7268



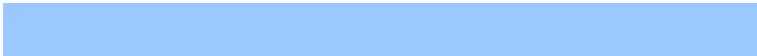
72.5857, 57.5267, 84.8985

# Square

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



38.9226, 57.5267, 68.7268



56.7644, 57.5267, 127.6309



74.1959, 57.5267, 56.9176



52.6422, 57.5267, 24.5903

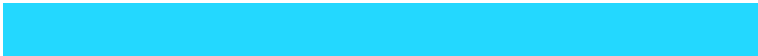


# Rectangle

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



38.9226, 57.5267, 68.7268



45.5268, 57.5267, 115.2330



74.1959, 57.5267, 56.9176



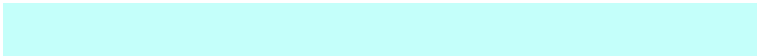
64.9787, 57.5267, 29.1205

# Sweetspot

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



38.9243, 57.5289, 68.7282



75.8980, 90.2155, 103.9947



29.0010, 53.6568, 12.0784



15.7214, 19.0427, 22.1018



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.



38.9243, 57.5289, 68.7282



51.1500, 77.7103, 91.4144



25.6965, 28.1935, 73.1972



14.0653, 15.5519, 17.3792



21.9890, 33.6204, 39.2605



1.5388, 2.3362, 2.7982



# Inverse Universe

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



32.3375, 18.3806, 6.9997



41.8756, 21.9259, 4.0079



37.8086, 29.9047, 7.0296



13.7528, 13.7188, 14.4686



17.9758, 9.2573, 1.2726

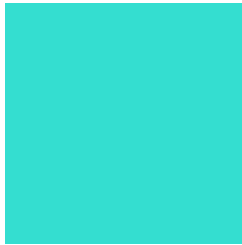


1.2621, 0.6481, 0.1732



# Previews

## White Background



This preview shows how the XYZ color 38.9226, 57.5267, 68.7268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

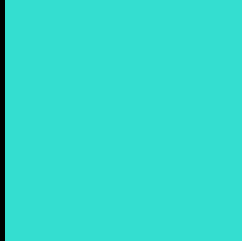
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9226, 57.5267, 68.7268 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

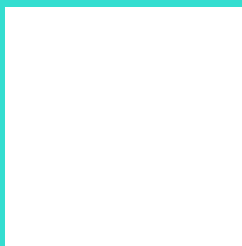
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.9226, 57.5267, 68.7268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9226, 57.5267, 68.7268.



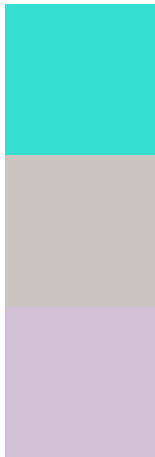
This preview shows how white text looks on a background with the XYZ color 38.9226, 57.5267,



# 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

38.9226, 57.5267, 68.7268

### Protanopia

54.0610, 56.3841, 59.0728

### Deuteranopia

57.5656, 56.2560, 71.4428



## Tritanopia

42.8103, 57.5385, 88.2066

# Trichromacy



## Original Color

38.9226, 57.5267, 68.7268



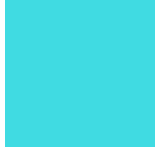
## Protanomaly

44.4127, 54.4692, 62.2056



## Deuteranomaly

46.3765, 54.2376, 70.3120



## Tritanomaly

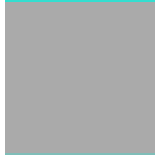
41.1733, 57.2440, 80.8306

# Monochromacy



## Original Color

38.9226, 57.5267, 68.7268



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

35.6017, 44.3679, 52.0349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9226, 57.5267, 68.7268 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(52, 222, 208)` looks like.

```
.text, #text, p{  
    color:rgb(52, 222, 208)  
}
```

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(52, 222, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 222, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9226, 57.5267, 68.7268 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(52, 222, 208) }
```



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

```
.border{ border-color:rgb(52, 222, 208) }
```

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

Here you see how a box with a 4 pixel rgb(52, 222, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 222, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 222, 208);  
box-shadow:4px 4px 4px 4px rgb(52, 222,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9226, 57.5267, 68.7268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 222, 208) }
```

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

```
.background{ background-color: rgb(52, 222,  
208) }
```

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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