

# Converting Colors

XYZ(34.0276, 56.9130, 49.8623)

Have a look what the booklet for  
XYZ(34.0276, 56.9130, 49.8623)  
contains.

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# Color

**XYZ(34.9342, 57.4879,  
49.8125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E2AF
RGB	0, 226, 175
RGB Percent	0%, 89%, 69%
CMY	0.9999, 0.1137, 0.3137
CMYK	1.00, 0.00, 0.23, 0.11
HSL	166°, 100%, 44%
HSV	166°, 100%, 89%
XYZ	34.9342, 57.4879, 49.8125
YIQ	152.6120, -118.3250, -63.7730

# Conversions

## Conversions Part 2

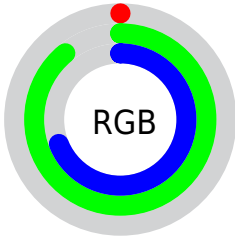
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 127, 226
Decimal	58031
CIELab	80.45, -57.59, 12.19
CIELCh	80, 58.865, 168.047
Yxy	57.4879, 0.2456, 0.4042
Android (android.graphics.Color)	4278248111 (0xFF00E2AF)
YUV	152.6120, 11.0373, -133.8407
Hunter-Lab	75.8208, -50.4430, 14.1224

# Details

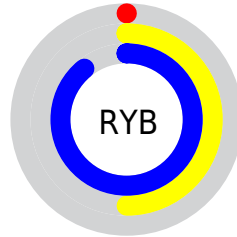
The XYZ color **34.9342, 57.4879, 49.8125** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.9637, 16.4092, 4.6181**, and the grayscale version is **30.1045, 31.6723, 34.4911**.

A 20% lighter version of the original color is **56.4905, 80.5407, 88.1699**, and **17.7631, 29.8060, 23.5558** is the 20% darker color. If you saturate the color by 10%, you get **34.9348, 57.4897, 49.8105**, and if you desaturate by 10%, it is **35.7910, 57.8720, 52.5190**.

# Distribution



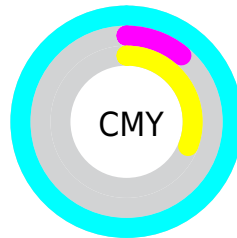
- Red (0%)
- Green (89%)
- Blue (69%)



- Red (0%)
- Yellow (50%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9342, 57.4879, 49.8125 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 34.9342, 57.4879, 49.8125 by changing the saturation by 10% instead.





 34.9342, 57.4879,  
49.8125


 34.9342, 57.4879,  
49.8125


315.7909,  
415.2750, 402.6463


 23.7785, 41.3971,  
34.8943


 66.7185, 101.1767,  
91.2904


 15.2932, 28.6295,  
23.2986


 88.0778, 129.5436,  
118.6873

 9.1131, 18.8007,  
14.6068


 113.5690,  
162.7712, 151.0807

 4.8727, 11.5264,  
8.4003

 143.5575,  
201.2440, 188.8894

 2.2068, 6.4221,  
4.2607

 178.4085,  
245.3464, 232.5317

 0.7463, 3.1034,  
1.7694

218.4875,

 0.0000, 1.1859,

295.4628, 282.4263

0.4077

264.1599,  
351.9775, 338.9916

■ 0.0000, 0.0502,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.9342, 57.4879,  
49.8125

■ 34.9342, 57.4879,  
49.8125

■ 34.9348, 57.4897,  
49.8105

■ 35.7910, 57.8720,  
52.5190

■ 37.0681, 58.4692,  
55.3437

■ 38.8970, 59.3486,  
58.2952

■ 41.3520, 60.5485,  
61.3778

■ 44.4959, 62.1013,  
64.5957

■ 48.3836, 64.0352,  
67.9524

■ 53.0646, 66.3758,  
71.4510

■ 58.5838, 69.1461,  
75.0948

■ 64.9827, 72.3675,  
78.8866

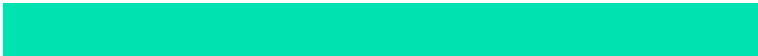
# Harmonies

## Analogous

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



39.1334, 57.4879, 27.8437



34.9342, 57.4879, 49.8125



35.4103, 57.4879, 85.5277

# Triad

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



34.9342, 57.4879, 49.8125



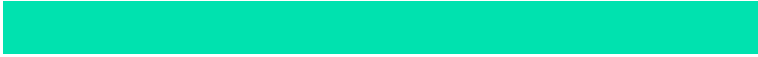
62.1508, 57.4879, 149.4519



71.6716, 57.4879, 25.0322

# Complementary

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



34.9342, 57.4879, 49.8125



31.9637, 16.4092, 4.6181

# 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.



79.8124, 57.4879, 44.1778



34.9342, 57.4879, 49.8125



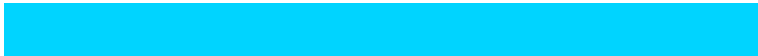
73.7827, 57.4879, 118.3765

# Square

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



34.9342, 57.4879, 49.8125



49.9732, 57.4879, 152.7431



80.6374, 57.4879, 77.3951



59.5898, 57.4879, 17.4853

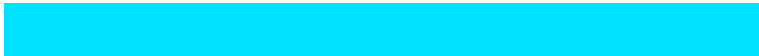


# Rectangle

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



34.9342, 57.4879, 49.8125



38.3251, 57.4879, 113.1479



80.6374, 57.4879, 77.3951



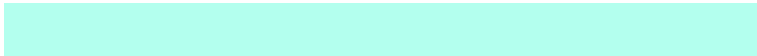
75.0320, 57.4879, 29.9154

# Sweetspot

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



34.9358, 57.4901, 49.8139



69.6286, 87.2017, 93.8462



28.6529, 55.1451, 9.1347



14.3183, 18.3718, 19.6645



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.



34.9358, 57.4901, 49.8139



45.8894, 75.5718, 65.2608



27.3180, 32.6707, 76.8204



13.9773, 15.5166, 16.9155



19.9765, 32.8154, 28.6628



1.4175, 2.2877, 2.1598



# Inverse Universe

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



31.9637, 16.4092, 4.6181



41.9924, 21.5610, 5.8920



32.9964, 19.4314, 2.0123



13.8333, 13.7509, 14.8923



18.2713, 9.3755, 2.8285

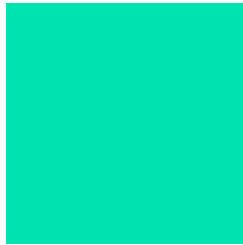


1.3003, 0.6634, 0.3742



# Previews

## White Background



This preview shows how the XYZ color 34.9342, 57.4879, 49.8125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

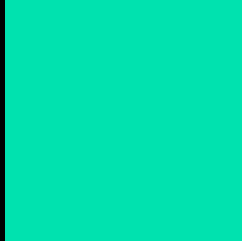
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.9342, 57.4879, 49.8125 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

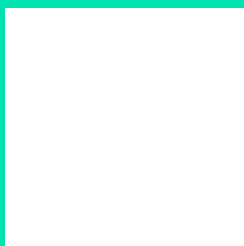
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.9342, 57.4879, 49.8125**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9342, 57.4879, 49.8125.



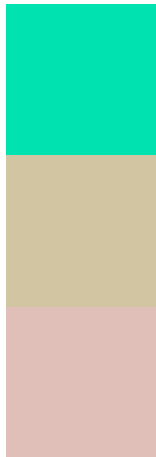
This preview shows how white text looks on a background with the XYZ color 34.9342, 57.4879,



# 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

34.9342, 57.4879, 49.8125

### Protanopia

52.9776, 56.2074, 41.7751

### Deuteranopia

57.6095, 56.3685, 52.6436



## **Tritanopia**

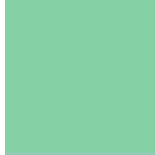
42.7375, 57.5010, 88.2032

# Trichromacy



## Original Color

34.9342, 57.4879, 49.8125



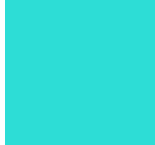
## Protanomaly

39.2703, 52.9333, 44.2238



## Deuteranomaly

40.9864, 52.2318, 51.1016



## Tritanomaly

39.0762, 57.1258, 72.5852

# Monochromacy



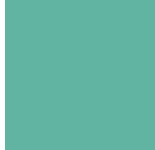
## Original Color

34.9342, 57.4879, 49.8125



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

27.6840, 37.7571, 39.5470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9342, 57.4879, 49.8125 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(0, 226, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 175)  
}
```

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(0, 226, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9342, 57.4879, 49.8125 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(0, 226, 175) }
```



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

```
.border{ border-color:rgb(0, 226, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9342, 57.4879, 49.8125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 175) }
```

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

```
.background{ background-color: rgb(0, 226,  
175) }
```

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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