

# Converting Colors

XYZ(35.8683, 53.1134, 57.0815)

Have a look what the booklet for  
XYZ(35.8683, 53.1134, 57.0815)  
contains.

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# Color

**XYZ(35.8666, 53.1129,  
57.0767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46D6BE
RGB	70, 214, 190
RGB Percent	27%, 84%, 75%
CMY	0.7255, 0.1608, 0.2549
CMYK	0.67, 0.00, 0.11, 0.16
HSL	170°, 64%, 56%
HSV	170°, 67%, 84%
XYZ	35.8666, 53.1129, 57.0767
YIQ	168.2080, -78.1200, -37.9920

# Conversions

## Conversions Part 2

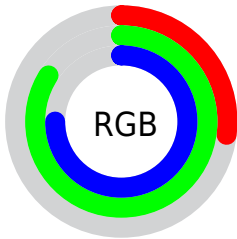
Format	Color
R <sub>YB</sub>	70, 149, 214
Decimal	4642494
CIE Lab	77.94, -43.60, 0.71
CIE LCh	78, 43.610, 179.071
Yxy	53.1129, 0.2456, 0.3636
Android (android.graphics.Color)	4282832574 (0xFF46D6BE)
YUV	168.2080, 10.7435, -86.1284
Hunter-Lab	72.8786, -39.6902, 4.5806

# Details

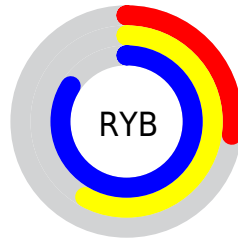
The XYZ color **35.8666, 53.1129, 57.0767** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **31.9438, 19.4861, 12.6691**, and the grayscale version is **37.2995, 39.2420, 42.7346**.

A 20% lighter version of the original color is **62.3862, 83.3247, 99.9840**, and **16.7422, 26.2599, 27.8532** is the 20% darker color. If you saturate the color by 10%, you get **34.2043, 52.3018, 54.9895**, and if you desaturate by 10%, it is **38.0912, 54.2154, 59.2424**.

# Distribution



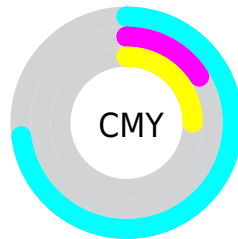
- Red (27%)
- Green (84%)
- Blue (75%)



- Red (27%)
- Yellow (58%)
- Blue (84%)



- Cyan (67%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)




- Cyan (73%)
- Magenta (16%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8666, 53.1129, 57.0767 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 35.8666, 53.1129, 57.0767 by changing the saturation by 10% instead.





 35.8666, 53.1129,  
57.0767


 35.8666, 53.1129,  
57.0767


319.8185,  
398.7181, 431.2384


 24.5008, 37.8929,  
40.6571


 68.1513, 94.7705,  
102.0785


 15.8323, 25.8996,  
27.7335

 89.8010, 121.9769,  
131.4978

 9.4956, 16.7485,  
17.8876


 115.6093,  
153.9475, 166.0874

 5.1255, 10.0554,  
10.7007

 145.9417,  
191.0667, 206.2658

 2.3566, 5.4357,  
5.7543

181.1634,  
233.7190, 252.4515

 0.8234, 2.5051,  
2.6299

221.6399,

 0.0000, 0.8792,

282.2888, 305.0632

0.9078

267.7365,  
337.1603, 364.5193

■ 0.0000, 0.0000,  
0.0000

■ 35.8666, 53.1129,  
57.0767

■ 35.8666, 53.1129,  
57.0767

■ 34.2043, 52.3018,  
54.9895

■ 38.0912, 54.2154,  
59.2424

■ 33.0383, 51.7441,  
52.9738

■ 40.9263, 55.6302,  
61.4856

■ 32.2872, 51.3992,  
51.0267

■ 44.4197, 57.3833,  
63.8102

■ 32.1168, 51.3226,  
50.5085

■ 48.6134, 59.4963,  
66.2183

■ 53.5458, 61.9889,  
68.7123

■ 59.2525, 64.8796,  
71.2940

■ 65.7668, 68.1855,  
73.9653

■ 73.1199, 71.9226,  
76.7280

■ 78.4863, 74.6344,  
79.4503

# Harmonies

## Analogous

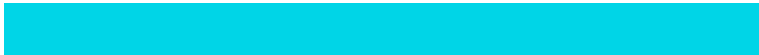
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7434, 53.1129, 36.9907



35.8666, 53.1129, 57.0767



37.5260, 53.1129, 83.6275

# Triad

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



35.8666, 53.1129, 57.0767



58.8295, 53.1129, 109.0213



59.3383, 53.1129, 26.3025

# Complementary

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



35.8666, 53.1129, 57.0767



31.9438, 19.4861, 12.6691

# 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.



66.1224, 53.1129, 37.9733



35.8666, 53.1129, 57.0767



65.8063, 53.1129, 85.3165

# Square

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



35.8666, 53.1129, 57.0767



50.2182, 53.1129, 118.2410



68.6103, 53.1129, 58.5918



50.7472, 53.1129, 22.5697

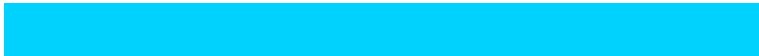


# Rectangle

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



35.8666, 53.1129, 57.0767



40.5327, 53.1129, 100.7901



68.6103, 53.1129, 58.5918



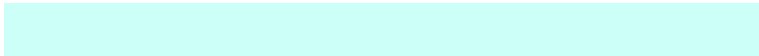
61.9396, 53.1129, 29.2307

# Sweetspot

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



35.8681, 53.1150, 57.0780



77.3731, 91.0419, 101.0859



30.0198, 51.0460, 14.0661



16.1109, 19.2592, 21.4107



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.



35.8681, 53.1150, 57.0780



49.9944, 77.3570, 80.4044



28.7417, 34.3123, 68.7287



12.6992, 14.0707, 15.4962



19.4451, 31.0334, 30.7032



1.1970, 1.8814, 1.9791



# Inverse Universe

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



31.9438, 19.4861, 12.6691



43.8721, 24.0336, 10.4856



35.0382, 27.1389, 9.1870



12.5069, 12.4542, 13.3434



16.9773, 8.7272, 1.9185

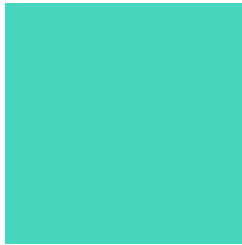


1.0506, 0.5370, 0.2558



# Previews

## White Background



This preview shows how the XYZ color 35.8666, 53.1129, 57.0767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

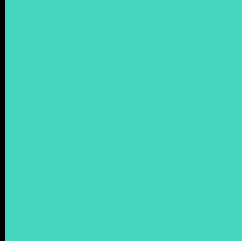
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.8666, 53.1129, 57.0767 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

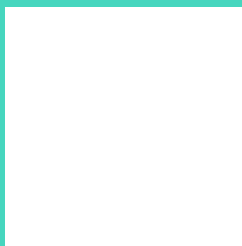
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.8666, 53.1129, 57.0767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8666, 53.1129, 57.0767.



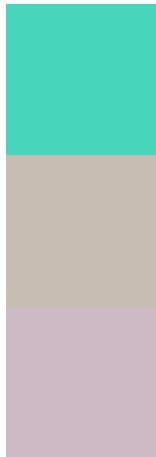
This preview shows how white text looks on a background with the XYZ color 35.8666, 53.1129,



# 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

35.8666, 53.1129, 57.0767

### Protanopia

49.6380, 52.0070, 49.0171

### Deuteranopia

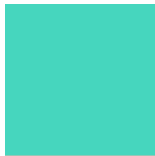
53.0449, 51.9488, 59.4559



## Tritanopia

40.4584, 53.1182, 80.0720

# Trichromacy



## Original Color

35.8666, 53.1129, 57.0767



## Protanomaly

41.6294, 50.8036, 51.8679



## Deuteranomaly

43.3822, 50.5430, 58.5082



## Tritanomaly

38.6978, 53.1420, 71.1686

# Monochromacy



## Original Color

35.8666, 53.1129, 57.0767



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

34.7012, 42.7380, 47.4946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8666, 53.1129, 57.0767 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(70, 214, 190)` looks like.

```
.text, #text, p{  
    color:rgb(70, 214, 190)  
}
```

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(70, 214, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 214, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8666, 53.1129, 57.0767 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(70, 214, 190) }
```



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

```
.border{ border-color:rgb(70, 214, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 214, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 214, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 214, 190);  
box-shadow:4px 4px 4px 4px rgb(70, 214,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8666, 53.1129, 57.0767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 214, 190) }
```

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

```
.background{ background-color: rgb(70, 214,  
190) }
```

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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