

Converting Colors

XYZ(36.8931, 56.3159, 58.2225)

Have a look what the booklet for
XYZ(36.8931, 56.3159, 58.2225)
contains.

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Color

**XYZ(36.8913, 56.3152,
58.2158)**

Conversions

Conversions Part 1

Format	Color
Hex	38DDBF
RGB	56, 221, 191
RGB Percent	22%, 87%, 75%
CMY	0.7804, 0.1333, 0.2510
CMYK	0.75, 0.00, 0.14, 0.13
HSL	169°, 71%, 54%
HSV	169°, 75%, 87%
XYZ	36.8913, 56.3152, 58.2158
YIQ	168.2450, -88.7100, -44.3100

Conversions

Conversions Part 2

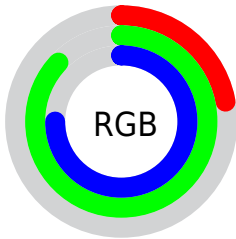
Format	Color
RYB	56, 147, 221
Decimal	3726783
CIELab	79.79, -48.18, 2.83
CIELCh	80, 48.259, 176.634
Yxy	56.3152, 0.2436, 0.3719
Android (android.graphics.Color)	4281916863 (0xFF38DDBF)
YUV	168.2450, 11.2182, -98.4389
Hunter-Lab	75.0435, -43.5756, 6.5355

Details

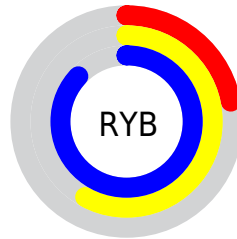
The XYZ color **36.8913, 56.3152, 58.2158** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **32.9146, 18.8739, 10.7146**, and the grayscale version is **37.3196, 39.2631, 42.7575**.

A 20% lighter version of the original color is **61.3009, 82.7474, 100.7366**, and **18.0426, 28.7452, 28.6422** is the 20% darker color. If you saturate the color by 10%, you get **35.4819, 55.6404, 55.8739**, and if you desaturate by 10%, it is **38.8608, 57.2801, 60.6498**.

Distribution



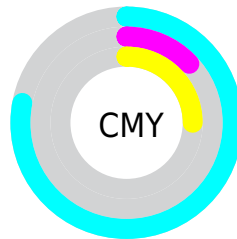
- Red (22%)
- Green (87%)
- Blue (75%)



- Red (22%)
- Yellow (58%)
- Blue (87%)



- Cyan (75%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (78%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8913, 56.3152, 58.2158 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 36.8913, 56.3152, 58.2158 by changing the saturation by 10% instead.


 36.8913, 56.3152,
58.2158


 36.8913, 56.3152,
58.2158


324.2034,
410.8783, 435.6103

 25.2966, 40.4557,
41.5663


 69.7205, 99.4653,
103.7549


 16.4281, 27.8940,
28.4388


 91.6857, 127.5247,
133.4817


 9.9204, 18.2458,
18.4148


 117.8385,
160.4194, 168.4045

 5.4080, 11.1266,
11.0757

 148.5442,
198.5340, 208.9421

 2.5258, 6.1520,
6.0030

 184.1682,
242.2528, 255.5129

 0.9083, 2.9378,
2.7781

225.0758,

 0.0000, 1.0993,

291.9602, 308.5355

0.9825

271.6324,
348.0405, 368.4285

■ 0.0000, 0.0000,
0.0000

■ 36.8913, 56.3152,
58.2158

■ 36.8913, 56.3152,
58.2158

■ 35.4819, 55.6404,
55.8739

■ 38.8608, 57.2801,
60.6498

■ 34.5499, 55.2089,
53.6158

■ 41.4494, 58.5613,
63.1754

■ 34.1791, 55.0434,
52.4409

■ 44.7137, 60.1895,
65.7970

■ 48.7025, 62.1897,
68.5172

■ 53.4602, 64.5849,
71.3388

■ 59.0275, 67.3959,
74.2640

■ 65.4422, 70.6424,
77.2951

■ 72.7397, 74.3425,
80.4342

■ 80.9534, 78.5134,
83.6834

Harmonies

Analogous

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



39.3316, 56.3152, 36.2522



36.8913, 56.3152, 58.2158



38.4412, 56.3152, 88.7075

Triad

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



36.8913, 56.3152, 58.2158



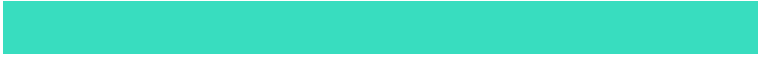
62.3880, 56.3152, 123.0059



64.5257, 56.3152, 26.4907

Complementary

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



36.8913, 56.3152, 58.2158



32.9146, 18.8739, 10.7146

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.



72.1161, 56.3152, 40.2404



36.8913, 56.3152, 58.2158



70.7803, 56.3152, 95.8843

Square

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



36.8913, 56.3152, 58.2158



52.4316, 56.3152, 132.1481



74.5325, 56.3152, 64.5278



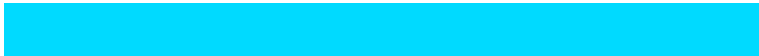
54.6354, 56.3152, 21.7899

Rectangle

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



36.8913, 56.3152, 58.2158



41.6454, 56.3152, 109.2813



74.5325, 56.3152, 64.5278



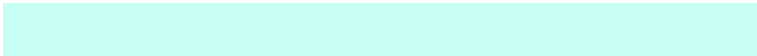
67.4749, 56.3152, 29.9549

Sweetspot

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



36.8929, 56.3174, 58.2171



75.7374, 90.2287, 99.6496



30.4329, 53.9910, 12.5598



15.7864, 19.0985, 21.0957



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.



36.8929, 56.3174, 58.2171



48.2178, 76.5509, 75.3645



28.8254, 34.3466, 73.5193



13.3380, 14.7868, 16.2428



19.8931, 31.9899, 30.6662



1.3158, 2.0833, 2.1290

Inverse Universe

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



32.9146, 18.8739, 10.7146



42.6185, 22.3849, 7.4210



35.9236, 26.4377, 6.9521



13.1522, 13.0900, 14.0630



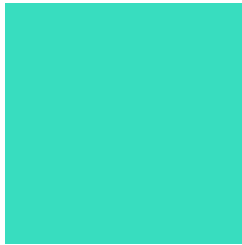
17.5765, 9.0317, 2.1501



1.1679, 0.5968, 0.2933

Previews

White Background



This preview shows how the XYZ color 36.8913, 56.3152, 58.2158 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 36.8913, 56.3152, 58.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

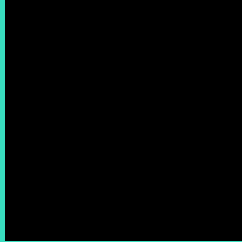
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

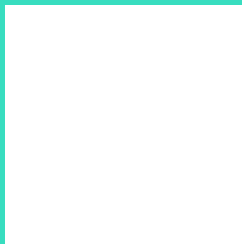
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8913, 56.3152, 58.2158

Background



This preview shows how black text looks on a background with the XYZ color 36.8913, 56.3152, 58.2158.

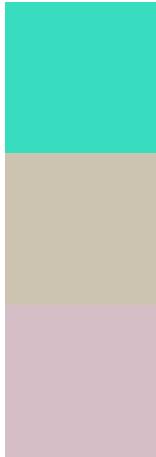


This preview shows how white text looks on a background with the XYZ color 36.8913, 56.3152,

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

36.8913, 56.3152, 58.2158

Protanopia

52.3528, 55.0419, 49.4598

Deuteranopia

56.3381, 55.2003, 61.1115



Tritanopia

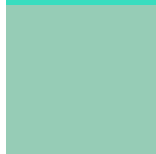
42.3167, 56.1895, 85.7061

Trichromacy



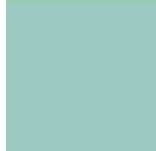
Original Color

36.8913, 56.3152, 58.2158



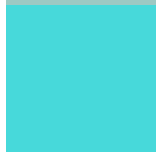
Protanomaly

42.6140, 53.0472, 52.2491



Deuteranomaly

44.6416, 52.8815, 59.4841



Tritanomaly

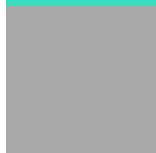
40.0663, 56.0273, 75.0323

Monochromacy



Original Color

36.8913, 56.3152, 58.2158



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.3592, 43.1873, 47.5993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8913, 56.3152, 58.2158 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(56, 221, 191)` looks like.

```
.text, #text, p{  
    color:rgb(56, 221, 191)  
}
```

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(56, 221, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 221, 191) }
```

Border

The CSS property to change the border of an element to XYZ 36.8913, 56.3152, 58.2158 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(56, 221, 191) }
```


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

```
.border{ border-color:rgb(56, 221, 191) }
```

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

Here you see how a box with a 4 pixel rgb(56, 221, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 221, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 221, 191);  
box-shadow:4px 4px 4px 4px rgb(56, 221,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8913, 56.3152, 58.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 221, 191) }
```

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

```
.background{ background-color: rgb(56, 221,  
191) }
```

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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