

# Converting Colors

XYZ(21.5988, 50.2882, 68.1160)

Have a look what the booklet for  
XYZ(21.5988, 50.2882, 68.1160)  
contains.

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# Color

**XYZ(38.5815, 58.9468,  
69.0189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E2D0
RGB	0, 226, 208
RGB Percent	0%, 89%, 82%
CMY	0.9998, 0.1137, 0.1843
CMYK	1.00, 0.00, 0.08, 0.11
HSL	175°, 100%, 44%
HSV	175°, 100%, 89%
XYZ	38.5815, 58.9468, 69.0189
YIQ	156.3740, -128.9180, -53.5100

# Conversions

## Conversions Part 2

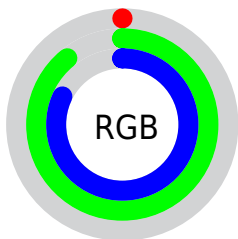
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 226
Decimal	58064
CIELab	81.26, -49.02, -4.11
CIELCh	81, 49.194, 184.792
Yxy	58.9468, 0.2317, 0.3539
Android (android.graphics.Color)	4278248144 (0xFF00E2D0)
YUV	156.3740, 25.4516, -137.1400
Hunter-Lab	76.7768, -44.6605, 0.4447

# Details

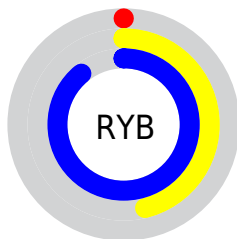
The XYZ color **38.5815, 58.9468, 69.0189** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.4752, 16.2141, 2.0450**, and the grayscale version is **31.7048, 33.3559, 36.3245**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **20.2075, 31.0825, 35.5063** is the 20% darker color. If you saturate the color by 10%, you get **38.5822, 58.9486, 69.0180**, and if you desaturate by 10%, it is **39.1508, 59.2159, 70.2100**.

# Distribution



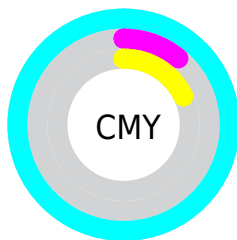
- Red (0%)
- Green (89%)
- Blue (82%)



- Red (0%)
- Yellow (46%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5815, 58.9468, 69.0189 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 38.5815, 58.9468, 69.0189 by changing the saturation by 10% instead.





 38.5815, 58.9468,  
69.0189


 38.5815, 58.9468,  
69.0189


331.3458,  
420.7047, 475.7934


 26.6136, 42.5703,  
50.2552


 72.2967, 103.3003,  
119.4765


 17.4183, 29.5481,  
35.2437


 94.7747, 132.0462,  
152.0076

 10.6303, 19.4958,  
23.5656

 121.4868,  
165.6839, 189.9649

 5.8843, 12.0291,  
14.8025

 152.7983,  
204.5979, 233.7669

 2.8148, 6.7635,  
8.5358

 189.0746,  
249.1726, 283.8322

 1.0566, 3.3146,  
4.3470

230.6811,

 0.0000, 1.2981,

299.7924, 340.5794

1.8176

277.9830,  
356.8416, 404.4269

■ 0.0000, 0.1397,  
0.4395

■ 0.0000, 0.0000,  
0.0000

■ 38.5815, 58.9468,  
69.0189

■ 38.5815, 58.9468,  
69.0189

■ 38.5822, 58.9486,  
69.0180

■ 39.1508, 59.2159,  
70.2100

■ 40.1239, 59.6915,  
71.4318

■ 41.6320, 60.4426,  
72.6918

■ 43.7492, 61.5075,  
73.9937

■ 46.5383, 62.9184,  
75.3402

■ 50.0539, 64.7035,  
76.7341

■ 54.3452, 66.8883,  
78.1777

■ 59.4570, 69.4957,  
79.6731

■ 65.4307, 72.5471,  
81.2224

# Harmonies

## Analogous

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



40.0096, 58.9468, 43.0063



38.5815, 58.9468, 69.0189



41.3406, 58.9468, 102.1106

# Triad

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



38.5815, 58.9468, 69.0189



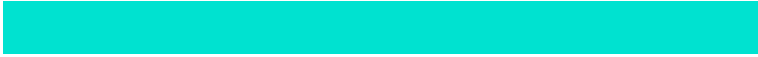
68.0518, 58.9468, 122.6436



64.8541, 58.9468, 25.4409

# Complementary

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



38.5815, 58.9468, 69.0189



31.4752, 16.2141, 2.0450

# 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.



73.8354, 58.9468, 37.0460



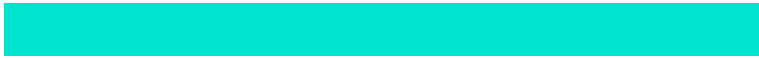
38.5815, 58.9468, 69.0189



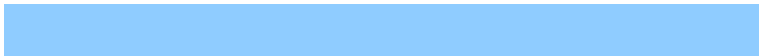
75.8339, 58.9468, 91.3712

# Square

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



38.5815, 58.9468, 69.0189



57.6912, 58.9468, 138.5300



78.0693, 58.9468, 59.5785

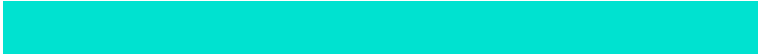


54.3954, 58.9468, 22.7461

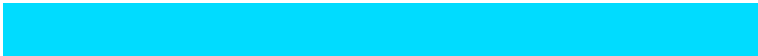


# Rectangle

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



38.5815, 58.9468, 69.0189



45.4079, 58.9468, 122.2825



78.0693, 58.9468, 59.5785



68.1851, 58.9468, 28.2088

# Sweetspot

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



38.5832, 58.9490, 69.0203



71.3192, 87.8779, 102.7484



27.4637, 54.5319, 9.0795



14.7273, 18.5355, 21.8183



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.



38.5832, 58.9490, 69.0203



50.7098, 77.4999, 90.6448



21.9600, 21.9544, 75.0342



14.0670, 15.5525, 17.3880



22.0311, 33.6373, 39.4824



1.5412, 2.3372, 2.8113



# Inverse Universe

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



31.4752, 16.2141, 2.0450



41.3691, 21.3116, 2.6098



35.3854, 24.2094, 2.8092



13.7513, 13.7182, 14.4607



17.9726, 9.2560, 1.2554

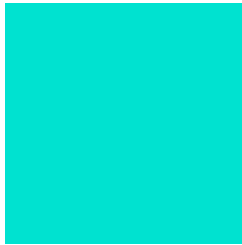


1.2614, 0.6478, 0.1694



# Previews

## White Background



This preview shows how the XYZ color 38.5815, 58.9468, 69.0189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

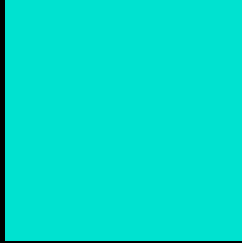
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5815, 58.9468, 69.0189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

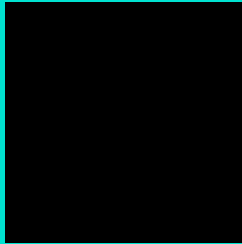
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

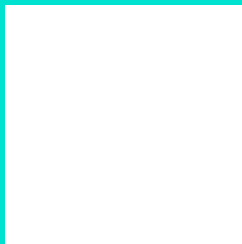
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.5815, 58.9468, 69.0189**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5815, 58.9468, 69.0189.



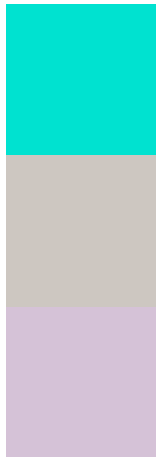
This preview shows how white text looks on a background with the XYZ color 38.5815, 58.9468,



# 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

38.5815, 58.9468, 69.0189

### Protanopia

55.2259, 57.6762, 58.6740

### Deuteranopia

58.9981, 57.6360, 72.3053



## Tritanopia

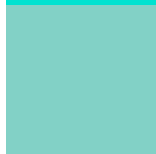
43.0120, 58.7571, 90.7356

# Trichromacy



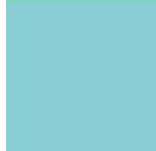
## Original Color

38.5815, 58.9468, 69.0189



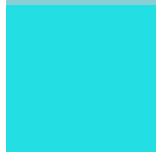
## Protanomaly

42.1994, 54.4240, 61.7068



## Deuteranomaly

44.1083, 54.1303, 70.4108



## Tritanomaly

41.0844, 58.7341, 82.5702

# Monochromacy



## Original Color

38.5815, 58.9468, 69.0189



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

29.4073, 38.7955, 46.4958

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5815, 58.9468, 69.0189 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 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(0, 226, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5815, 58.9468, 69.0189 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, 208) }
```



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

```
.border{ border-color:rgb(0, 226, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 226, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 226, 208); box-shadow:4px 4px 4px 4px rgb(0, 226, 208) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5815, 58.9468, 69.0189 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, 208) }
```

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

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