

Converting Colors

XYZ(38.1535, 56.9917, 72.2642)

Have a look what the booklet for
XYZ(38.1535, 56.9917, 72.2642)
contains.

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Color

**XYZ(38.1315, 57.0466,
71.9522)**

Conversions

Conversions Part 1

Format	Color
Hex	00DED5
RGB	0, 222, 213
RGB Percent	0%, 87%, 84%
CMY	0.9998, 0.1294, 0.1647
CMYK	1.00, 0.00, 0.04, 0.13
HSL	178°, 100%, 44%
HSV	178°, 100%, 87%
XYZ	38.1315, 57.0466, 71.9522
YIQ	154.5960, -129.4230, -49.8630

Conversions

Conversions Part 2

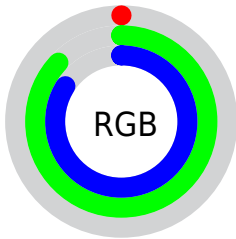
Format	Color
RYB	0, 113, 222
Decimal	57045
CIELab	80.21, -45.91, -8.33
CIELCh	80, 46.663, 190.286
Yxy	57.0466, 0.2282, 0.3413
Android (android.graphics.Color)	4278247125 (0xFF00DED5)
YUV	154.5960, 28.7932, -135.5807
Hunter-Lab	75.5292, -42.0590, -3.6116

Details

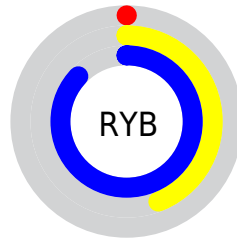
The XYZ color **38.1315, 57.0466, 71.9522** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.1753, 15.5510, 1.6712**, and the grayscale version is **30.9025, 32.5119, 35.4054**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.8078, 29.7411, 37.0444** is the 20% darker color. If you saturate the color by 10%, you get **38.1323, 57.0483, 71.9522**, and if you desaturate by 10%, it is **38.5836, 57.2677, 72.5729**.

Distribution



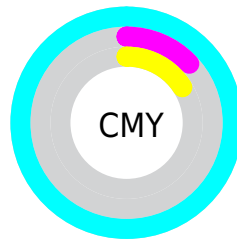
- Red (0%)
- Green (87%)
- Blue (84%)



- Red (0%)
- Yellow (44%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1315, 57.0466, 71.9522 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 38.1315, 57.0466, 71.9522 by changing the saturation by 10% instead.


 38.1315, 57.0466,
71.9522


 38.1315, 57.0466,
71.9522


329.4548,
413.6239, 486.3483


 26.2624, 41.0427,
52.6330


 71.6122, 100.5332,
123.6957


 17.1538, 28.3524,
37.1242


 93.9546, 128.7846,
156.9570


 10.4402, 18.5915,
25.0071


 120.5189,
161.8873, 195.7029

 5.7563, 11.3755,
15.8633

 151.6703,
200.2257, 240.3518

 2.7367, 6.3200,
9.2742

 187.7742,
244.1842, 291.3222

 1.0161, 3.0406,
4.8212

229.1961,

 0.0000, 1.1530,

294.1471, 349.0327

2.0858

276.3012,
350.4989, 413.9019

■ 0.0000, 0.0228,
0.6073

■ 0.0000, 0.0000,
0.0000

■ 38.1315, 57.0466,
71.9522

■ 38.1315, 57.0466,
71.9522

■ 38.1323, 57.0483,
71.9522

■ 38.5836, 57.2677,
72.5729

■ 39.4207, 57.6859,
73.2137

■ 40.7693, 58.3677,
73.8818

■ 42.7005, 59.3499,
74.5804

■ 45.2742, 60.6631,
75.3124

■ 48.5427, 62.3345,
76.0803

■ 52.5530, 64.3882,
76.8863

■ 57.3481, 66.8464,
77.7323

■ 62.9676, 69.7295,
78.6203

Harmonies

Analogous

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



38.7507, 57.0466, 46.0555



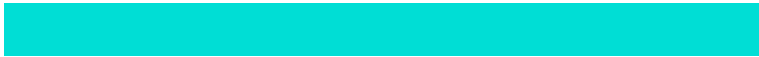
38.1315, 57.0466, 71.9522



41.4223, 57.0466, 102.5494

Triad

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



38.1315, 57.0466, 71.9522



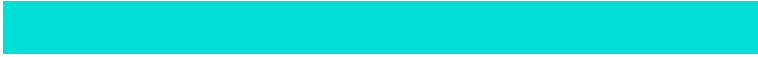
66.9386, 57.0466, 111.2987



60.6330, 57.0466, 24.6804

Complementary

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



38.1315, 57.0466, 71.9522



30.1753, 15.5510, 1.6712

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.



69.4170, 57.0466, 34.0101



38.1315, 57.0466, 71.9522



73.3422, 57.0466, 81.5289

Square

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



38.1315, 57.0466, 71.9522



57.5555, 57.0466, 129.2880



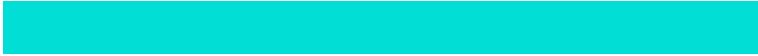
74.2988, 57.0466, 53.2162



51.0180, 57.0466, 23.4945

Rectangle

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



38.1315, 57.0466, 71.9522



45.6447, 57.0466, 119.6727



74.2988, 57.0466, 53.2162



63.8096, 57.0466, 26.8033

Sweetspot

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



38.1332, 57.0487, 71.9536



71.7895, 88.0660, 105.2250



26.2624, 52.3165, 8.7154



14.8417, 18.5812, 22.4209



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.



38.1332, 57.0487, 71.9536



52.1893, 78.0917, 98.4354



20.1607, 19.2241, 71.7575



14.0913, 15.5623, 17.5160



22.6595, 33.8887, 42.7916



1.5782, 2.3520, 3.0060

Inverse Universe

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



30.1753, 15.5510, 1.6712



41.2967, 21.2827, 2.2284



34.6758, 24.6310, 2.9281



13.7297, 13.7095, 14.3465



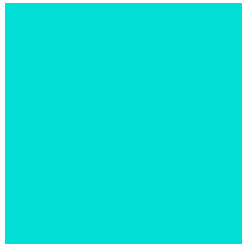
17.9323, 9.2399, 1.0433



1.2510, 0.6437, 0.1147

Previews

White Background



This preview shows how the XYZ color 38.1315, 57.0466, 71.9522 looks on a white background.

Color Contrast Check

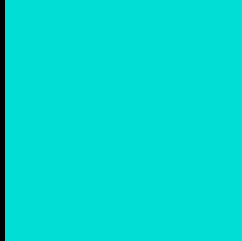
Large Text (above 18pt) WCAG AA × Fail

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 38.1315, 57.0466, 71.9522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

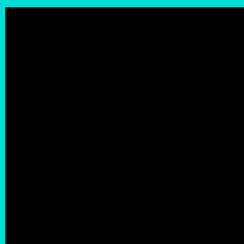
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

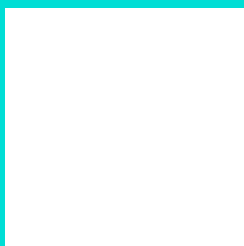
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1315, 57.0466, 71.9522

Background



This preview shows how black text looks on a background with the XYZ color 38.1315, 57.0466, 71.9522.

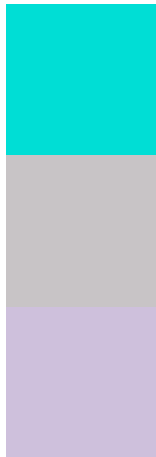


This preview shows how white text looks on a background with the XYZ color 38.1315, 57.0466,

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

38.1315, 57.0466, 71.9522

Protanopia

53.7524, 55.8364, 61.3705

Deuteranopia

57.2215, 55.9884, 75.5011



Tritanopia

41.6908, 57.3475, 88.2287

Trichromacy



Original Color

38.1315, 57.0466, 71.9522



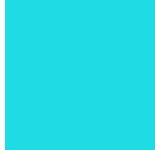
Protanomaly

41.3632, 52.4865, 64.4507



Deuteranomaly

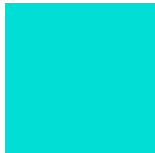
43.2404, 52.5469, 73.5092



Tritanomaly

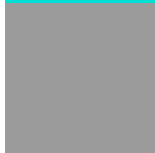
40.1619, 57.0791, 82.2994

Monochromacy



Original Color

38.1315, 57.0466, 71.9522



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.1022, 38.0274, 46.8805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1315, 57.0466, 71.9522 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, 222, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 213)  
}
```

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, 222, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 213) }
```

Border

The CSS property to change the border of an element to XYZ 38.1315, 57.0466, 71.9522 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, 222, 213) }
```


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

```
.border{ border-color:rgb(0, 222, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 222, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 222, 213); box-shadow:4px 4px 4px 4px rgb(0, 222, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1315, 57.0466, 71.9522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 213) }
```

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

```
.background{ background-color: rgb(0, 222,  
213) }
```

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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