

Converting Colors

XYZ(38.7114, 58.2920, 71.7891)

Have a look what the booklet for
XYZ(38.7114, 58.2920, 71.7891)
contains.

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Color

**XYZ(38.5644, 58.0777,
71.4649)**

Conversions

Conversions Part 1

Format	Color
Hex	02E0D4
RGB	2, 224, 212
RGB Percent	1%, 88%, 83%
CMY	0.9919, 0.1216, 0.1686
CMYK	0.99, 0.00, 0.05, 0.12
HSL	177°, 98%, 44%
HSV	177°, 99%, 88%
XYZ	38.5644, 58.0777, 71.4649
YIQ	156.2540, -128.4600, -50.7960

Conversions

Conversions Part 2

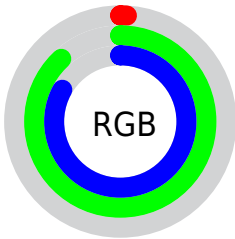
Format	Color
RYB	2, 116, 224
Decimal	188628
CIELab	80.78, -47.01, -6.94
CIELCh	81, 47.517, 188.404
Yxy	58.0777, 0.2294, 0.3455
Android (android.graphics.Color)	4278378708 (0xFF02E0D4)
YUV	156.2540, 27.4828, -135.2808
Hunter-Lab	76.2087, -43.0377, -2.2532

Details

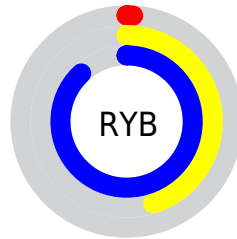
The XYZ color **38.5644, 58.0777, 71.4649** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.8434, 15.9243, 1.8655**, and the grayscale version is **31.6434, 33.2914, 36.2543**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **20.1742, 30.4739, 37.1665** is the 20% darker color. If you saturate the color by 10%, you get **38.5264, 58.0610, 71.3913**, and if you desaturate by 10%, it is **39.0814, 58.3278, 72.2911**.

Distribution



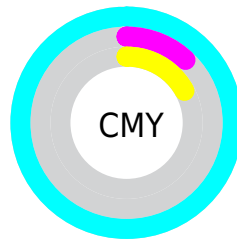
- Red (1%)
- Green (88%)
- Blue (83%)



- Red (1%)
- Yellow (45%)
- Blue (88%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)





- Cyan (99%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5644, 58.0777, 71.4649 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 38.5644, 58.0777, 71.4649 by changing the saturation by 10% instead.


 38.5644, 58.0777,
71.4649


 38.5644, 58.0777,
71.4649


331.2741,
417.4754, 484.6043


 26.6002, 41.8711,
52.2375


 72.2707, 102.0360,
122.9961


 17.4082, 29.0004,
36.8109


 94.7436, 130.5565,
156.1370


 10.6231, 19.0811,
24.7665


 121.4501,
163.9504, 194.7528

 5.8794, 11.7289,
15.6857

 152.7555,
202.6022, 239.2620

 2.8119, 6.5594,
9.1501

 189.0253,
246.8962, 290.0833

 1.0551, 3.1881,
4.7411

230.6247,

 0.0000, 1.2307,

297.2168, 347.6350

2.0401

277.9192,
353.9484, 412.3359

■ 0.0000, 0.0866,
0.5798

■ 0.0000, 0.0000,
0.0000

■ 38.5644, 58.0777,
71.4649

■ 38.5644, 58.0777,
71.4649

■ 38.5264, 58.0610,
71.3913

■ 39.0814, 58.3278,
72.2911

■ 40.0140, 58.7907,
73.1415

■ 41.4765, 59.5267,
74.0227

■ 43.5403, 60.5725,
74.9380

■ 46.2657, 61.9592,
75.8903

■ 49.7058, 63.7143,
76.8821

■ 53.9082, 65.8622,
77.9157

■ 58.9165, 68.4253,
78.9931

■ 64.7708, 71.4246,
80.1161

Harmonies

Analogous

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



39.4543, 58.0777, 45.3642



38.5644, 58.0777, 71.4649



41.6993, 58.0777, 103.0813

Triad

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



38.5644, 58.0777, 71.4649



67.7674, 58.0777, 115.7213



62.4391, 58.0777, 25.1326

Complementary

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



38.5644, 58.0777, 71.4649



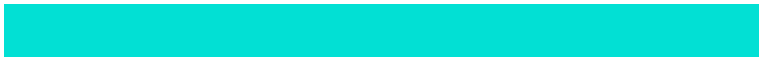
30.8434, 15.9243, 1.8655

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.



71.3419, 58.0777, 35.2646



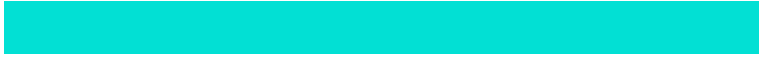
38.5644, 58.0777, 71.4649



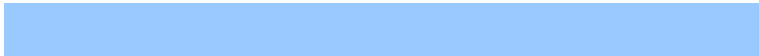
74.6629, 58.0777, 85.2773

Square

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



38.5644, 58.0777, 71.4649



58.0040, 58.0777, 133.1472



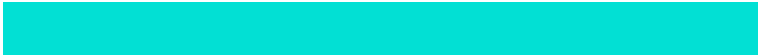
76.0432, 58.0777, 55.6657



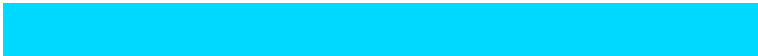
52.4900, 58.0777, 23.4359

Rectangle

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



38.5644, 58.0777, 71.4649



45.8963, 58.0777, 121.3134



76.0432, 58.0777, 55.6657



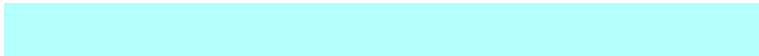
65.6856, 58.0777, 27.4812

Sweetspot

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



38.5661, 58.0799, 71.4663



71.6261, 88.0007, 104.3646



26.8963, 53.4354, 8.9555



14.8019, 18.5653, 22.2114



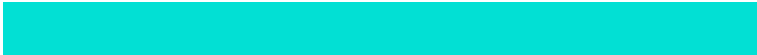
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5661, 58.0799, 71.4663



51.6687, 77.8835, 95.6943



21.1771, 20.7881, 73.4197



14.0829, 15.5589, 17.4717



22.4385, 33.8003, 41.6277



1.5652, 2.3468, 2.9377

Inverse Universe

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



30.8434, 15.9243, 1.8655



41.3178, 21.2911, 2.3399



35.1422, 24.6312, 2.9611



13.7371, 13.7125, 14.3859



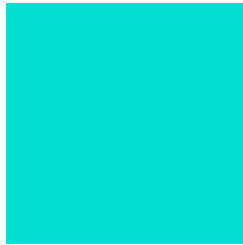
17.9453, 9.2451, 1.1119



1.2546, 0.6451, 0.1336

Previews

White Background



This preview shows how the XYZ color 38.5644, 58.0777, 71.4649 looks on a white background.

Color Contrast Check

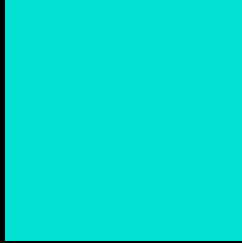
Large Text (above 18pt) WCAG AA × Fail

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 38.5644, 58.0777, 71.4649 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

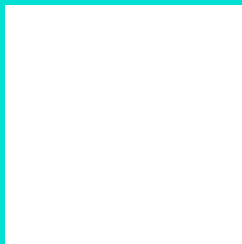
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5644, 58.0777, 71.4649

Background



This preview shows how black text looks on a background with the XYZ color 38.5644, 58.0777, 71.4649.

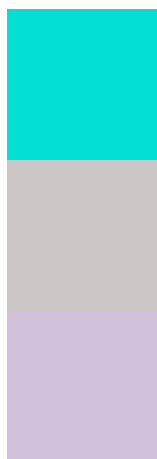


This preview shows how white text looks on a background with the XYZ color 38.5644, 58.0777,

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

38.5644, 58.0777, 71.4649

Protanopia

54.9007, 57.1159, 60.9542

Deuteranopia

58.1506, 56.8097, 74.9183



Tritanopia

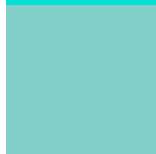
42.3412, 58.0376, 89.8597

Trichromacy



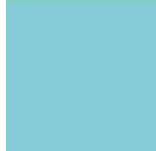
Original Color

38.5644, 58.0777, 71.4649



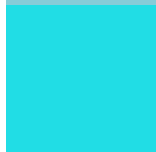
Protanomaly

42.1794, 53.6357, 64.0068



Deuteranomaly

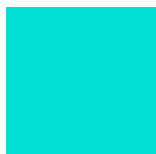
43.8191, 53.2119, 72.9272



Tritanomaly

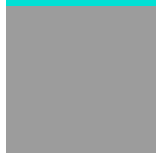
40.6265, 57.6934, 83.1234

Monochromacy



Original Color

38.5644, 58.0777, 71.4649



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.6159, 38.8917, 47.0202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5644, 58.0777, 71.4649 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(2, 224, 212)` looks like.

```
.text, #text, p{  
    color:rgb(2, 224, 212)  
}
```

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(2, 224, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 224, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.5644, 58.0777, 71.4649 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(2, 224, 212) }
```


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

```
.border{ border-color:rgb(2, 224, 212) }
```

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

Here you see how a box with a 4 pixel rgb(2, 224, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 224, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 224, 212);  
box-shadow:4px 4px 4px 4px rgb(2, 224,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5644, 58.0777, 71.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 224, 212) }
```

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

```
.background{ background-color: rgb(2, 224,  
212) }
```

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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