

Converting Colors

XYZ(38.2338, 58.1148, 69.3240)

Have a look what the booklet for
XYZ(38.2338, 58.1148, 69.3240)
contains.

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Color

**XYZ(38.1643, 57.9148,
69.4888)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0D1
RGB	0, 224, 209
RGB Percent	0%, 88%, 82%
CMY	0.9998, 0.1216, 0.1804
CMYK	1.00, 0.00, 0.07, 0.12
HSL	176°, 100%, 44%
HSV	176°, 100%, 88%
XYZ	38.1643, 57.9148, 69.4888
YIQ	155.3140, -128.6890, -52.1530

Conversions

Conversions Part 2

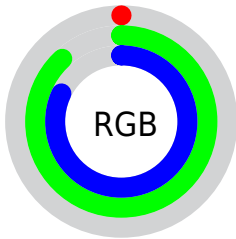
Format	Color
RYB	0, 116, 224
Decimal	57553
CIELab	80.69, -47.90, -5.48
CIELCh	81, 48.214, 186.531
Yxy	57.9148, 0.2305, 0.3498
Android (android.graphics.Color)	4278247633 (0xFF00E0D1)
YUV	155.3140, 26.4672, -136.2104
Hunter-Lab	76.1018, -43.6621, -0.8667

Details

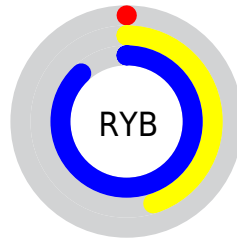
The XYZ color **38.1643, 57.9148, 69.4888** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.8286, 15.8835, 1.8948**, and the grayscale version is **31.2292, 32.8555, 35.7797**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.9190, 30.3718, 35.8229** is the 20% darker color. If you saturate the color by 10%, you get **38.1650, 57.9165, 69.4880**, and if you desaturate by 10%, it is **38.6930, 58.1671, 70.4893**.

Distribution



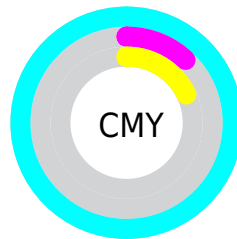
- Red (0%)
- Green (88%)
- Blue (82%)



- Red (0%)
- Yellow (45%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1643, 57.9148, 69.4888 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 38.1643, 57.9148, 69.4888 by changing the saturation by 10% instead.


 38.1643, 57.9148,
69.4888


 38.1643, 57.9148,
69.4888


329.5929,
416.8684, 477.4936


 26.2880, 41.7402,
50.6357


 71.6622, 101.7988,
120.1537


 17.1730, 28.8979,
35.5440


 94.0145, 130.2769,
152.8026


 10.4540, 19.0036,
23.7953


 120.5895,
163.6250, 190.8871

 5.7656, 11.6729,
14.9711

 151.7526,
202.2274, 234.8259

 2.7424, 6.5213,
8.6527

 187.8692,
246.4685, 285.0373

 1.0190, 3.1646,
4.4216

229.3045,

 0.0000, 1.2183,

296.7328, 341.9401

1.8594

276.4240,
353.4046, 405.9527

■ 0.0000, 0.0765,
0.4667

■ 0.0000, 0.0000,
0.0000

■ 38.1643, 57.9148,
69.4888

■ 38.1643, 57.9148,
69.4888

■ 38.1650, 57.9165,
69.4880

■ 38.6930, 58.1671,
70.4893

■ 39.6161, 58.6212,
71.5161

■ 41.0627, 59.3450,
72.5766

■ 43.1053, 60.3758,
73.6742

■ 45.8051, 61.7452,
74.8118

■ 49.2156, 63.4808,
75.9919

■ 53.3850, 65.6074,
77.2168

■ 58.3571, 68.1476,
78.4886

■ 64.1724, 71.1223,
79.8092

Harmonies

Analogous

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



39.3166, 57.9148, 43.6832



38.1643, 57.9148, 69.4888



41.0784, 57.9148, 101.5548

Triad

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



38.1643, 57.9148, 69.4888



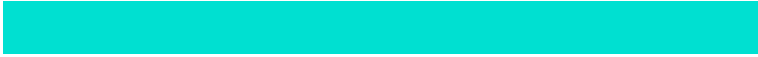
67.2188, 57.9148, 118.0304



63.0105, 57.9148, 25.0099

Complementary

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



38.1643, 57.9148, 69.4888



30.8286, 15.8835, 1.8948

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.



71.8681, 57.9148, 35.7769



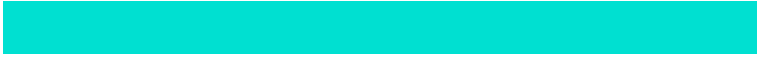
38.1643, 57.9148, 69.4888



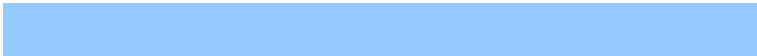
74.4949, 57.9148, 87.4550

Square

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



38.1643, 57.9148, 69.4888



57.2477, 57.9148, 134.5304



76.2910, 57.9148, 57.0393



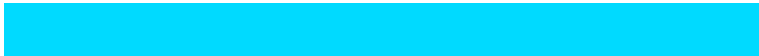
52.9020, 57.9148, 22.8251

Rectangle

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



38.1643, 57.9148, 69.4888



45.1686, 57.9148, 120.5948



76.2910, 57.9148, 57.0393



66.2683, 57.9148, 27.5451

Sweetspot

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



38.1660, 57.9170, 69.4902



71.4709, 87.9386, 103.5472



26.9198, 53.4488, 8.8992



14.7642, 18.5502, 22.0125



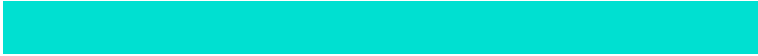
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.1660, 57.9170, 69.4902



51.1807, 77.6883, 93.1241



21.5302, 21.5315, 73.5447



14.0749, 15.5557, 17.4294



22.2312, 33.7173, 40.5360



1.5531, 2.3419, 2.8735

Inverse Universe

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



30.8286, 15.8835, 1.8948



41.3418, 21.3007, 2.4662



34.6881, 23.7406, 2.7555



13.7443, 13.7153, 14.4236



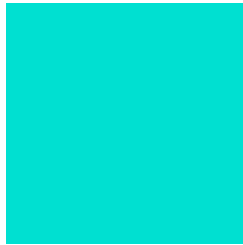
17.9583, 9.2503, 1.1800



1.2580, 0.6465, 0.1517

Previews

White Background



This preview shows how the XYZ color 38.1643, 57.9148, 69.4888 looks on a white background.

Color Contrast Check

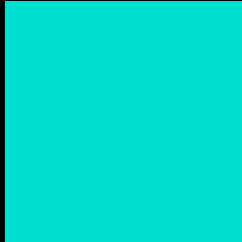
Large Text (above 18pt) WCAG AA × Fail

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 38.1643, 57.9148, 69.4888 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

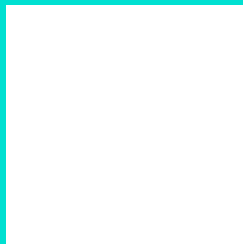
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1643, 57.9148, 69.4888

Background



This preview shows how black text looks on a background with the XYZ color 38.1643, 57.9148, 69.4888.

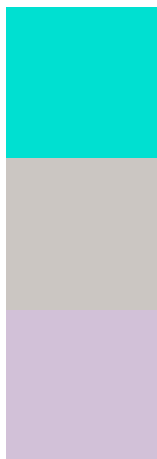


This preview shows how white text looks on a background with the XYZ color 38.1643, 57.9148,

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

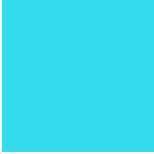
38.1643, 57.9148, 69.4888

Protanopia

54.5603, 56.9797, 59.1615

Deuteranopia

58.0430, 56.7994, 72.8699



Tritanopia

42.4420, 58.0895, 89.8644

Trichromacy



Original Color

38.1643, 57.9148, 69.4888



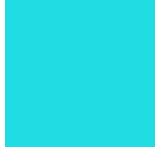
Protanomaly

41.6749, 53.4163, 62.1467



Deuteranomaly

43.4346, 53.0582, 70.9028



Tritanomaly

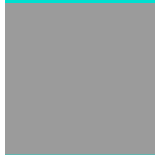
40.3488, 57.5823, 81.6609

Monochromacy



Original Color

38.1643, 57.9148, 69.4888



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.2047, 38.3903, 46.4283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1643, 57.9148, 69.4888 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, 224, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 209)  
}
```

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, 224, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 209) }
```

Border

The CSS property to change the border of an element to XYZ 38.1643, 57.9148, 69.4888 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, 224, 209) }
```


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

```
.border{ border-color:rgb(0, 224, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1643, 57.9148, 69.4888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 209) }
```

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

```
.background{ background-color: rgb(0, 224,  
209) }
```

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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