

Converting Colors

XYZ(38.4758, 57.8429, 70.0886)

Have a look what the booklet for
XYZ(38.4758, 57.8429, 70.0886)
contains.

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Color

**XYZ(38.3514, 57.5991,
70.0692)**

Conversions

Conversions Part 1

Format	Color
Hex	16DFD2
RGB	22, 223, 210
RGB Percent	9%, 87%, 82%
CMY	0.9136, 0.1255, 0.1765
CMYK	0.90, 0.00, 0.06, 0.13
HSL	176°, 82%, 48%
HSV	176°, 90%, 87%
XYZ	38.3514, 57.5991, 70.0692
YIQ	161.4190, -115.6230, -46.6550

Conversions

Conversions Part 2

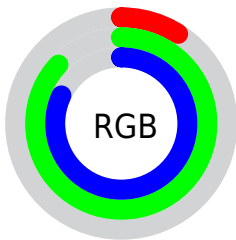
Format	Color
RYB	22, 126, 223
Decimal	1499090
CIELab	80.52, -46.54, -6.27
CIELCh	81, 46.960, 187.667
Yxy	57.5991, 0.2310, 0.3469
Android (android.graphics.Color)	4279689170 (0xFF16DFD2)
YUV	161.4190, 23.9504, -122.2705
Hunter-Lab	75.8941, -42.6136, -1.6136

Details

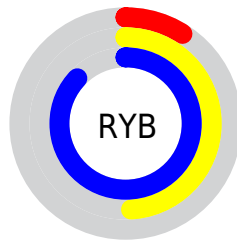
The XYZ color **38.3514, 57.5991, 70.0692** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.0237, 16.3848, 3.1197**, and the grayscale version is **34.0060, 35.7770, 38.9611**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **19.8195, 30.0377, 36.2058** is the 20% darker color. If you saturate the color by 10%, you get **37.8449, 57.3597, 69.1241**, and if you desaturate by 10%, it is **39.2550, 58.0454, 71.0554**.

Distribution



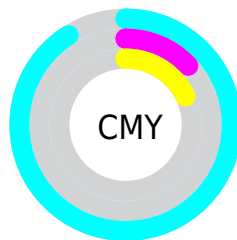
- Red (9%)
- Green (87%)
- Blue (82%)



- Red (9%)
- Yellow (49%)
- Blue (87%)



- Cyan (90%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)





- Cyan (91%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3514, 57.5991, 70.0692 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 38.3514, 57.5991, 70.0692 by changing the saturation by 10% instead.


 38.3514, 57.5991,
70.0692


 38.3514, 57.5991,
70.0692


330.3798,
415.6904, 479.5886


 26.4340, 41.4864,
51.1058


 71.9469, 101.3388,
120.9895


 17.2830, 28.6994,
35.9155


 94.3556, 129.7347,
153.7834


 10.5330, 18.8535,
24.0798


 120.9922,
162.9937, 192.0246

 5.8187, 11.5645,
15.1801

 152.2219,
201.5003, 236.1317

 2.7748, 6.4479,
8.7978

 188.4102,
245.6389, 286.5230

 1.0358, 3.1193,
4.5145

229.9224,

 0.0000, 1.1943,

295.7939, 343.6173

1.9117

277.1238,
352.3496, 407.8330

■ 0.0000, 0.0571,
0.5001

■ 0.0000, 0.0000,
0.0000

■ 38.3514, 57.5991,
70.0692

■ 38.3514, 57.5991,
70.0692

■ 37.8449, 57.3597,
69.1241

■ 39.2550, 58.0454,
71.0554

■ 40.6737, 58.7557,
72.0729

■ 42.6812, 59.7693,
73.1264

■ 45.3380, 61.1175,
74.2188

■ 48.6974, 62.8277,
75.3527

■ 52.8068, 64.9244,
76.5302

■ 57.7097, 67.4300,
77.7535

■ 63.4463, 70.3651,
79.0244

■ 70.0539, 73.7491,
80.3447

Harmonies

Analogous

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



39.3257, 57.5991, 44.6260



38.3514, 57.5991, 70.0692



41.3431, 57.5991, 101.0771

Triad

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



38.3514, 57.5991, 70.0692



66.8744, 57.5991, 114.8326



62.0975, 57.5991, 25.3075

Complementary

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



38.3514, 57.5991, 70.0692



31.0237, 16.3848, 3.1197

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.



70.7719, 57.5991, 35.5441



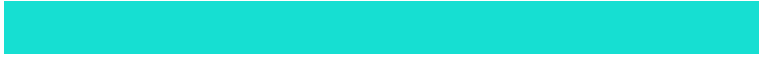
38.3514, 57.5991, 70.0692



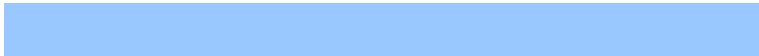
73.7478, 57.5991, 85.1324

Square

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



38.3514, 57.5991, 70.0692



57.2570, 57.5991, 131.4254



75.2520, 57.5991, 55.8954



52.3099, 57.5991, 23.4398

Rectangle

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



38.3514, 57.5991, 70.0692



45.4172, 57.5991, 119.1264



75.2520, 57.5991, 55.8954



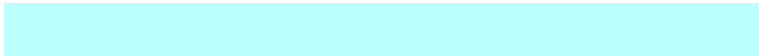
65.2726, 57.5991, 27.6998

Sweetspot

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



38.3531, 57.6013, 70.0706



73.3872, 88.9143, 104.1862



27.2413, 53.2000, 9.5932



15.2494, 18.7972, 22.1798



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.



38.3531, 57.6013, 70.0706



51.2667, 77.7227, 93.5771



22.4431, 23.0826, 73.0870



14.0763, 15.5562, 17.4369



22.2677, 33.7319, 40.7285



1.5552, 2.3428, 2.8848

Inverse Universe

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



31.0237, 16.3848, 3.1197



41.3373, 21.2989, 2.4423



36.0586, 26.7086, 4.0152



13.7430, 13.7148, 14.4169



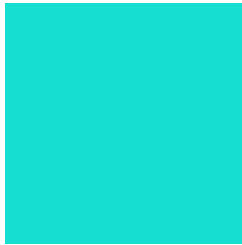
17.9558, 9.2493, 1.1673



1.2574, 0.6462, 0.1485

Previews

White Background



This preview shows how the XYZ color 38.3514, 57.5991, 70.0692 looks on a white background.

Color Contrast Check

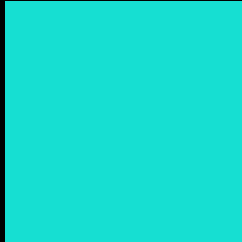
Large Text (above 18pt) WCAG AA × Fail

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 38.3514, 57.5991, 70.0692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

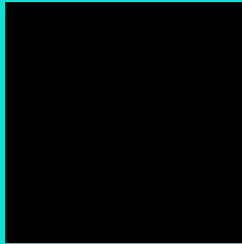
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

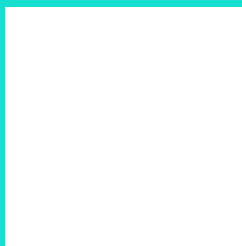
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3514, 57.5991, 70.0692

Background



This preview shows how black text looks on a background with the XYZ color 38.3514, 57.5991, 70.0692.

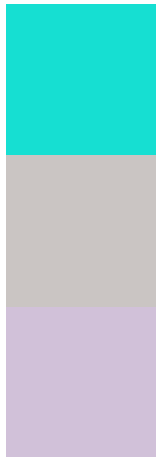


This preview shows how white text looks on a background with the XYZ color 38.3514, 57.5991,

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

38.3514, 57.5991, 70.0692

Protanopia

54.1737, 56.4292, 59.6664

Deuteranopia

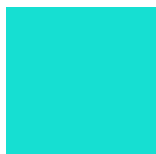
57.8888, 56.7050, 73.5397



Tritanopia

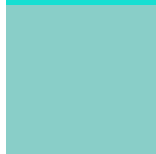
42.1389, 57.5617, 89.0103

Trichromacy



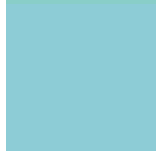
Original Color

38.3514, 57.5991, 70.0692



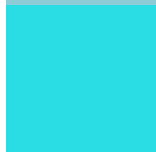
Protanomaly

42.8132, 53.6311, 62.7389



Deuteranomaly

44.7150, 53.7035, 71.6274



Tritanomaly

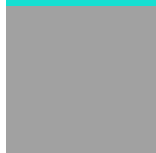
40.4132, 57.2247, 81.5885

Monochromacy



Original Color

38.3514, 57.5991, 70.0692



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.7076, 40.8506, 48.8616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3514, 57.5991, 70.0692 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(22, 223, 210)` looks like.

```
.text, #text, p{  
    color:rgb(22, 223, 210)  
}
```

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(22, 223, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 223, 210) }
```

Border

The CSS property to change the border of an element to XYZ 38.3514, 57.5991, 70.0692 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(22, 223, 210) }
```


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

```
.border{ border-color:rgb(22, 223, 210) }
```

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

Here you see how a box with a 4 pixel rgb(22, 223, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 223, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 223, 210);  
box-shadow:4px 4px 4px 4px rgb(22, 223,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3514, 57.5991, 70.0692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 223, 210) }
```

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

```
.background{ background-color: rgb(22, 223,  
210) }
```

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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