

Converting Colors

XYZ(12.5528, 45.5670, 63.1394)

Have a look what the booklet for
XYZ(12.5528, 45.5670, 63.1394)
contains.

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Color

**XYZ(37.7390, 58.6098,
64.5821)**

Conversions

Conversions Part 1

Format	Color
Hex	00E2C9
RGB	0, 226, 201
RGB Percent	0%, 89%, 79%
CMY	0.9998, 0.1137, 0.2118
CMYK	1.00, 0.00, 0.11, 0.11
HSL	173°, 100%, 44%
HSV	173°, 100%, 89%
XYZ	37.7390, 58.6098, 64.5821
YIQ	155.5760, -126.6710, -55.6870

Conversions

Conversions Part 2

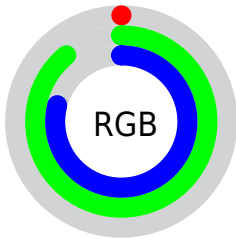
Format	Color
RYB	0, 120, 226
Decimal	58057
CIELab	81.08, -50.94, -0.67
CIELCh	81, 50.941, 180.750
Yxy	58.6098, 0.2345, 0.3642
Android (android.graphics.Color)	4278248137 (0xFF00E2C9)
YUV	155.5760, 22.3940, -136.4402
Hunter-Lab	76.5570, -45.9828, 3.5740

Details

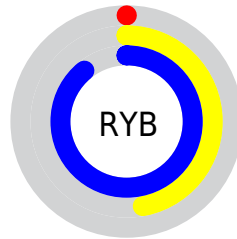
The XYZ color **37.7390, 58.6098, 64.5821** is a dark color, and the websafe version is hex **66FFCC**. The color can be described as middle washed cyan. A complement of this color would be **31.5416, 16.2407, 2.3947**, and the grayscale version is **31.3618, 32.9951, 35.9316**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.6412, 30.8560, 32.5244** is the 20% darker color. If you saturate the color by 10%, you get **37.7395, 58.6115, 64.5803**, and if you desaturate by 10%, it is **38.3821, 58.9084, 66.1618**.

Distribution



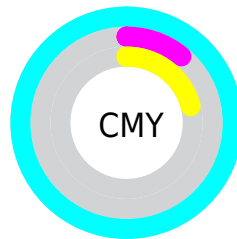
- Red (0%)
- Green (89%)
- Blue (79%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7390, 58.6098, 64.5821 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 37.7390, 58.6098, 64.5821 by changing the saturation by 10% instead.

37.7390, 58.6098,
64.5821

37.7390, 58.6098,
64.5821

327.7993,
419.4544, 459.5537

25.9565, 42.2991,
46.6731

71.0144, 102.8103,
113.0563

16.9236, 29.3356,
32.4248

93.2380, 131.4690,
144.4587

10.2750, 19.3348,
21.4187

119.6726,
165.0123, 181.1959

5.6453, 11.9125,
13.2362

150.6837,
203.8248, 223.6865

2.6692, 6.6841,
7.4587

186.6365,
248.2909, 272.3490

0.9814, 3.2653,
3.6678

227.8965,

0.0000, 1.2718,

298.7949, 327.6021

1.4450

274.8290,
355.7213, 389.8641

■ 0.0000, 0.1192,
0.1764

■ 0.0000, 0.0000,
0.0000

■ 37.7390, 58.6098,
64.5821

■ 37.7390, 58.6098,
64.5821

■ 37.7395, 58.6115,
64.5803

■ 38.3821, 58.9084,
66.1618

■ 39.4313, 59.4145,
67.7844

■ 41.0178, 60.1969,
69.4573

■ 43.2158, 61.2941,
71.1842

■ 46.0879, 62.7382,
72.9681

■ 49.6889, 64.5576,
74.8116

■ 54.0680, 66.7774,
76.7173

■ 59.2699, 69.4209,
78.6873

■ 65.3362, 72.5094,
80.7237

Harmonies

Analogous

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



39.7742, 58.6098, 39.3693



37.7390, 58.6098, 64.5821



39.9873, 58.6098, 98.4851

Triad

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



37.7390, 58.6098, 64.5821



66.7705, 58.6098, 128.1322



66.2512, 58.6098, 25.2824

Complementary

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



37.7390, 58.6098, 64.5821



31.5416, 16.2407, 2.3947

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.



75.0851, 58.6098, 38.4194



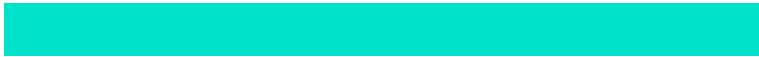
37.7390, 58.6098, 64.5821



75.4107, 58.6098, 96.7309

Square

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



37.7390, 58.6098, 64.5821



55.9737, 58.6098, 141.6093



78.6277, 58.6098, 63.0562



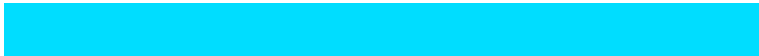
55.4409, 58.6098, 21.4853

Rectangle

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



37.7390, 58.6098, 64.5821



43.8002, 58.6098, 120.4093



78.6277, 58.6098, 63.0562



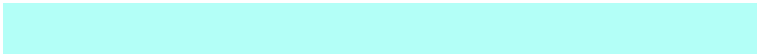
69.5966, 58.6098, 28.4929

Sweetspot

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



37.7407, 58.6120, 64.5835



70.9519, 87.7310, 100.8145



27.6340, 54.6197, 9.0875



14.6381, 18.4998, 21.3488



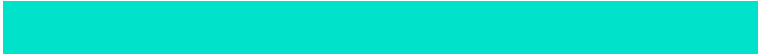
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.7407, 58.6120, 64.5835



49.5954, 77.0542, 84.7764



23.0172, 24.0688, 75.3866



14.0478, 15.5449, 17.2870



21.5571, 33.4477, 36.9865



1.5131, 2.3260, 2.6633

Inverse Universe

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



31.5416, 16.2407, 2.3947



41.4522, 21.3449, 3.0474



34.7463, 22.9313, 2.5962



13.7686, 13.7251, 14.5516



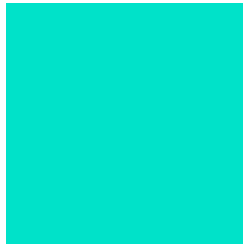
18.0148, 9.2729, 1.4776



1.2696, 0.6511, 0.2127

Previews

White Background



This preview shows how the XYZ color 37.7390, 58.6098, 64.5821 looks on a white background.

Color Contrast Check

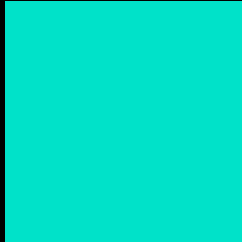
Large Text (above 18pt) WCAG AA × Fail

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 37.7390, 58.6098, 64.5821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

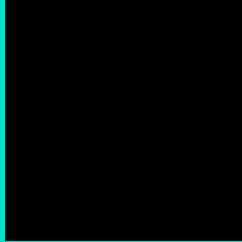
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

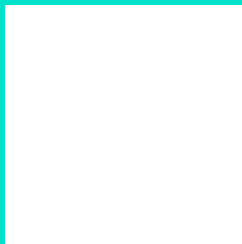
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7390, 58.6098, 64.5821

Background



This preview shows how black text looks on a background with the XYZ color 37.7390, 58.6098, 64.5821.

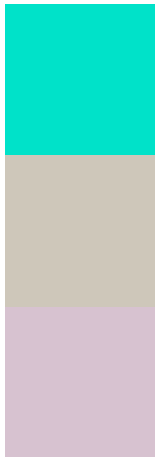


This preview shows how white text looks on a background with the XYZ color 37.7390, 58.6098,

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

37.7390, 58.6098, 64.5821

Protanopia

54.7399, 57.5138, 54.6705

Deuteranopia

58.7013, 57.5847, 67.6956



Tritanopia

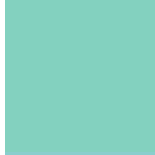
43.2401, 58.8747, 90.7463

Trichromacy



Original Color

37.7390, 58.6098, 64.5821



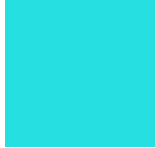
Protanomaly

41.5645, 54.1878, 57.5588



Deuteranomaly

43.4073, 53.8688, 65.8675



Tritanomaly

40.7776, 58.6237, 80.4005

Monochromacy



Original Color

37.7390, 58.6098, 64.5821



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.1159, 38.6790, 44.9609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7390, 58.6098, 64.5821 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 201) }
```

Border

The CSS property to change the border of an element to XYZ 37.7390, 58.6098, 64.5821 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, 201) }
```


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

```
.border{ border-color:rgb(0, 226, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7390, 58.6098, 64.5821 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, 201) }
```

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

```
.background{ background-color: rgb(0, 226,  
201) }
```

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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