

Converting Colors

XYZ(25.9192, 51.9377, 65.1243)

Have a look what the booklet for
XYZ(25.9192, 51.9377, 65.1243)
contains.

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Color

**XYZ(37.7047, 58.1622,
65.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	00E1CB
RGB	0, 225, 203
RGB Percent	0%, 88%, 80%
CMY	0.9998, 0.1176, 0.2039
CMYK	1.00, 0.00, 0.10, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.7047, 58.1622, 65.7391
YIQ	155.2170, -127.0380, -54.5420

Conversions

Conversions Part 2

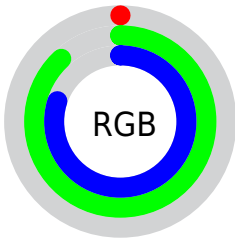
Format	Color
RYB	0, 118, 225
Decimal	57803
CIELab	80.83, -49.98, -2.09
CIELCh	81, 50.024, 182.396
Yxy	58.1622, 0.2333, 0.3599
Android (android.graphics.Color)	4278247883 (0xFF00E1CB)
YUV	155.2170, 23.5570, -136.1253
Hunter-Lab	76.2641, -45.2125, 2.2774

Details

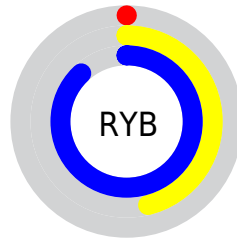
The XYZ color **37.7047, 58.1622, 65.7391** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.1982, 16.0672, 2.2184**, and the grayscale version is **31.1978, 32.8225, 35.7437**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.6128, 30.5459, 33.2960** is the 20% darker color. If you saturate the color by 10%, you get **37.7053, 58.1639, 65.7376**, and if you desaturate by 10%, it is **38.3131, 58.4466, 67.1477**.

Distribution



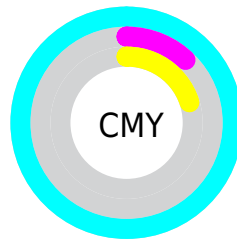
- Red (0%)
- Green (88%)
- Blue (80%)



- Red (0%)
- Yellow (46%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7047, 58.1622, 65.7391 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 37.7047, 58.1622, 65.7391 by changing the saturation by 10% instead.

 37.7047, 58.1622,
65.7391


 37.7047, 58.1622,
65.7391


327.6543,
417.7901, 463.8220


 25.9298, 41.9391,
47.6055


 70.9621, 102.1590,
114.7352


 16.9035, 29.0536,
33.1568


 93.1753, 130.7015,
146.4348


 10.2606, 19.1214,
21.9745

 119.5986,
164.1192, 183.4935

 5.6357, 11.7580,
13.6400

 150.5974,
202.7965, 226.3298

 2.6634, 6.5791,
7.7348

 186.5370,
247.1179, 275.3622

 0.9784, 3.2003,
3.8404

227.7828,

 0.0000, 1.2372,

297.4677, 331.0094

1.5382

274.7001,
354.2303, 393.6898

■ 0.0000, 0.0918,
0.2462

■ 0.0000, 0.0000,
0.0000

■ 37.7047, 58.1622,
65.7391

■ 37.7047, 58.1622,
65.7391

■ 37.7053, 58.1639,
65.7376

■ 38.3131, 58.4466,
67.1477

■ 39.3222, 58.9359,
68.5934

■ 40.8621, 59.6984,
70.0834

■ 43.0062, 60.7719,
71.6214

■ 45.8163, 62.1883,
73.2103

■ 49.3468, 63.9756,
74.8527

■ 53.6461, 66.1589,
76.5511

■ 58.7587, 68.7609,
78.3074

■ 64.7254, 71.8029,
80.1238

Harmonies

Analogous

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



39.4712, 58.1622, 40.4441



37.7047, 58.1622, 65.7391



40.1389, 58.1622, 98.9876

Triad

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



37.7047, 58.1622, 65.7391



66.6298, 58.1622, 124.5830



65.0126, 58.1622, 25.0909

Complementary

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



37.7047, 58.1622, 65.7391



31.1982, 16.0672, 2.2184

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.



73.8210, 58.1622, 37.4629



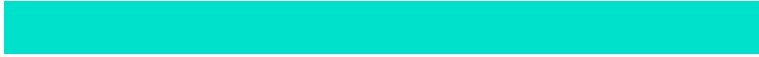
37.7047, 58.1622, 65.7391



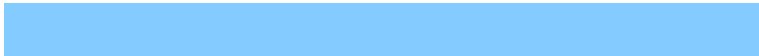
74.8335, 58.1622, 93.5378

Square

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



37.7047, 58.1622, 65.7391



56.1168, 58.1622, 138.9337



77.6147, 58.1622, 60.9780



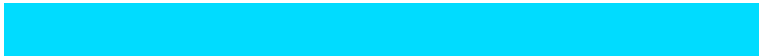
54.4544, 58.1622, 21.7797

Rectangle

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



37.7047, 58.1622, 65.7391



44.0178, 58.1622, 119.9835



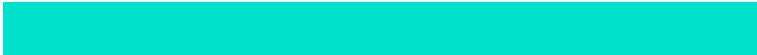
77.6147, 58.1622, 60.9780



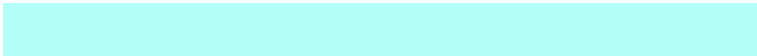
68.3192, 58.1622, 28.0871

Sweetspot

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



37.7064, 58.1644, 65.7405



71.1036, 87.7917, 101.6133



27.2693, 54.0291, 8.9928



14.6749, 18.5145, 21.5426



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.



37.7064, 58.1644, 65.7405



50.0514, 77.2365, 87.1773



22.2585, 22.7704, 74.4585



14.0558, 15.5480, 17.3288



21.7511, 33.5253, 38.0080



1.5247, 2.3306, 2.7240

Inverse Universe

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



31.1982, 16.0672, 2.2184



41.4148, 21.3299, 2.8506



34.7112, 23.3254, 2.6741



13.7614, 13.7222, 14.5138



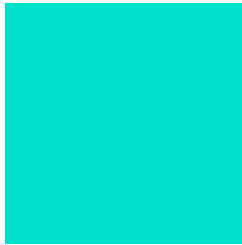
17.9960, 9.2654, 1.3788



1.2662, 0.6498, 0.1948

Previews

White Background



This preview shows how the XYZ color 37.7047, 58.1622, 65.7391 looks on a white background.

Color Contrast Check

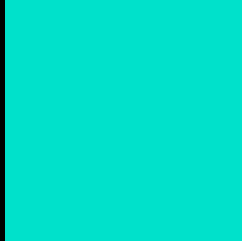
Large Text (above 18pt) WCAG AA × Fail

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 37.7047, 58.1622, 65.7391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

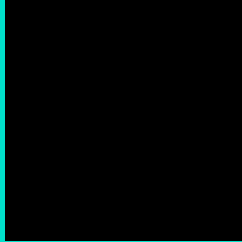
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

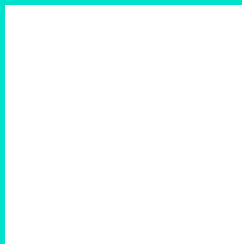
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7047, 58.1622, 65.7391

Background



This preview shows how black text looks on a background with the XYZ color 37.7047, 58.1622, 65.7391.

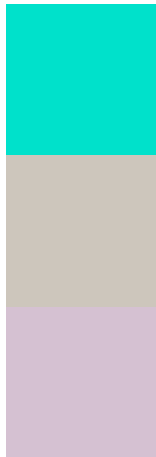


This preview shows how white text looks on a background with the XYZ color 37.7047, 58.1622,

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

37.7047, 58.1622, 65.7391

Protanopia

54.4480, 56.9981, 55.7090

Deuteranopia

58.1434, 56.9392, 68.8986



Tritanopia

42.7132, 58.2293, 89.8771

Trichromacy



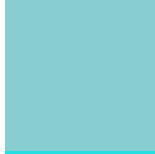
Original Color

37.7047, 58.1622, 65.7391



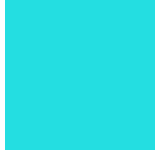
Protanomaly

41.3874, 53.7078, 58.6374



Deuteranomaly

43.2471, 53.4019, 67.0597



Tritanomaly

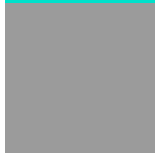
40.4394, 58.0539, 80.3083

Monochromacy



Original Color

37.7047, 58.1622, 65.7391



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.9132, 38.2737, 44.8934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7047, 58.1622, 65.7391 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, 225, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 203)  
}
```

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, 225, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.7047, 58.1622, 65.7391 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, 225, 203) }
```


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

```
.border{ border-color:rgb(0, 225, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7047, 58.1622, 65.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 203) }
```

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

```
.background{ background-color: rgb(0, 225,  
203) }
```

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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