

Converting Colors

XYZ(24.6485, 51.3636, 64.3516)

Have a look what the booklet for
XYZ(24.6485, 51.3636, 64.3516)
contains.

XYZ(37.5859, 58.1147, 65.1134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5859, 58.1147,
65.1134)**

Conversions

Conversions Part 1

Format	Color
Hex	00E1CA
RGB	0, 225, 202
RGB Percent	0%, 88%, 79%
CMY	0.9998, 0.1176, 0.2078
CMYK	1.00, 0.00, 0.10, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.5859, 58.1147, 65.1134
YIQ	155.1030, -126.7170, -54.8530

Conversions

Conversions Part 2

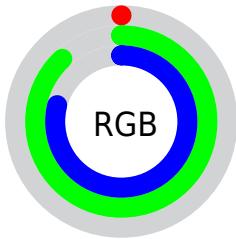
Format	Color
RYB	0, 119, 225
Decimal	57802
CIELab	80.80, -50.25, -1.60
CIELCh	81, 50.278, 181.823
Yxy	58.1147, 0.2337, 0.3614
Android (android.graphics.Color)	4278247882 (0xFF00E1CA)
YUV	155.1030, 23.1202, -136.0253
Hunter-Lab	76.2330, -45.4001, 2.7213

Details

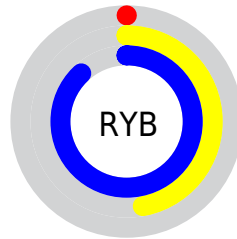
The XYZ color **37.5859, 58.1147, 65.1134** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.2080, 16.0712, 2.2703**, and the grayscale version is **31.1492, 32.7713, 35.6880**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.5333, 30.5141, 32.8773** is the 20% darker color. If you saturate the color by 10%, you get **37.5864, 58.1164, 65.1118**, and if you desaturate by 10%, it is **38.2046, 58.4033, 66.5764**.

Distribution



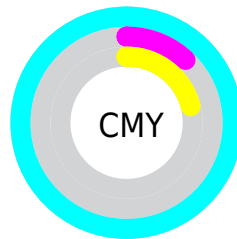
- Red (0%)
- Green (88%)
- Blue (79%)



- Red (0%)
- Yellow (47%)
- Blue (88%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5859, 58.1147, 65.1134 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 37.5859, 58.1147, 65.1134 by changing the saturation by 10% instead.

37.5859, 58.1147,
65.1134

37.5859, 58.1147,
65.1134

327.1519,
417.6132, 461.5167

25.8372, 41.9009,
47.1011

70.7810, 102.0899,
113.8277

16.8339, 29.0237,
32.7607

92.9581, 130.6200,
145.3668

10.2107, 19.0987,
21.6736

119.3420,
164.0243, 182.2519

5.6022, 11.7416,
13.4212

150.2982,
202.6873, 224.9016

2.6431, 6.5680,
7.5851

186.1919,
246.9933, 273.7344

0.9680, 3.1934,
3.7467

227.3885,

0.0000, 1.2335,

297.3267, 329.1688

1.4874

274.2534,
354.0718, 391.6234

■ 0.0000, 0.0888,
0.2085

■ 0.0000, 0.0000,
0.0000

■ 37.5859, 58.1147,
65.1134

■ 37.5859, 58.1147,
65.1134

■ 37.5864, 58.1164,
65.1118

■ 38.2046, 58.4033,
66.5764

■ 39.2244, 58.8968,
68.0782

■ 40.7753, 59.6637,
69.6262

■ 42.9307, 60.7417,
71.2240

■ 45.7526, 62.1628,
72.8745

■ 49.2951, 63.9550,
74.5804

■ 53.6069, 66.1432,
76.3441

■ 58.7322, 68.7503,
78.1676

■ 64.7121, 71.7976,
80.0531

Harmonies

Analogous

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



39.4384, 58.1147, 39.9329



37.5859, 58.1147, 65.1134



39.9479, 58.1147, 98.4740

Triad

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



37.5859, 58.1147, 65.1134



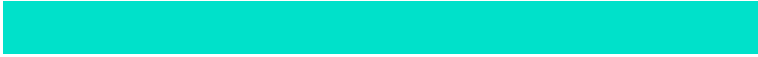
66.4482, 58.1147, 125.3652



65.2117, 58.1147, 25.0693

Complementary

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



37.5859, 58.1147, 65.1134



31.2080, 16.0712, 2.2703

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.



73.9988, 58.1147, 37.6595



37.5859, 58.1147, 65.1134



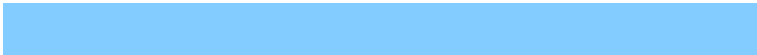
74.7733, 58.1147, 94.3035

Square

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



37.5859, 58.1147, 65.1134



55.8738, 58.1147, 139.3706



77.6939, 58.1147, 61.4755



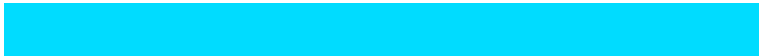
54.6036, 58.1147, 21.6025

Rectangle

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



37.5859, 58.1147, 65.1134



43.7908, 58.1147, 119.7167



77.6939, 58.1147, 61.4755



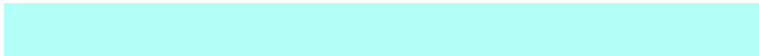
68.5202, 58.1147, 28.1284

Sweetspot

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



37.5876, 58.1169, 65.1148



71.0510, 87.7706, 101.3364



27.3599, 54.0758, 8.9970



14.6622, 18.5094, 21.4754



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.



37.5876, 58.1169, 65.1148



49.8926, 77.1730, 86.3412



22.7910, 23.8354, 74.6361



14.0530, 15.5469, 17.3143



21.6836, 33.4983, 37.6523



1.5207, 2.3290, 2.7029

Inverse Universe

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



31.2080, 16.0712, 2.2703



41.4273, 21.3349, 2.9162



34.4028, 22.7086, 2.5713



13.7639, 13.7232, 14.5269



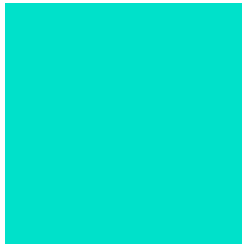
18.0023, 9.2679, 1.4119



1.2674, 0.6502, 0.2010

Previews

White Background



This preview shows how the XYZ color 37.5859, 58.1147, 65.1134 looks on a white background.

Color Contrast Check

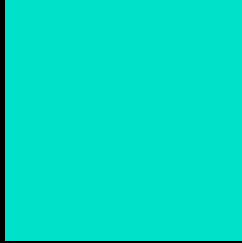
Large Text (above 18pt) WCAG AA × Fail

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 37.5859, 58.1147, 65.1134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

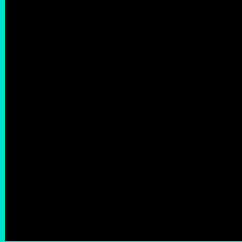
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

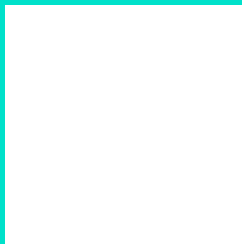
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5859, 58.1147, 65.1134

Background



This preview shows how black text looks on a background with the XYZ color 37.5859, 58.1147, 65.1134.

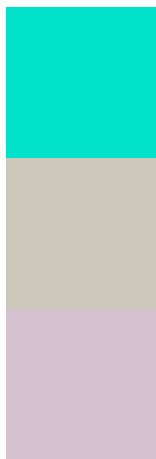


This preview shows how white text looks on a background with the XYZ color 37.5859, 58.1147,

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

37.5859, 58.1147, 65.1134

Protanopia

54.3406, 56.9552, 55.1431

Deuteranopia

58.3101, 57.0395, 68.2581



Tritanopia

42.7132, 58.2293, 89.8771

Trichromacy



Original Color

37.5859, 58.1147, 65.1134



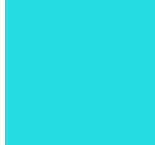
Protanomaly

41.2762, 53.6633, 58.0517



Deuteranomaly

43.1252, 53.3531, 66.4178



Tritanomaly

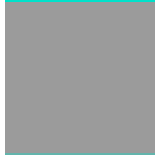
40.4394, 58.0539, 80.3083

Monochromacy



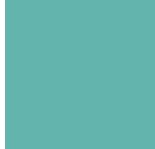
Original Color

37.5859, 58.1147, 65.1134



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 37.5859, 58.1147, 65.1134 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.5859, 58.1147, 65.1134 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, 202) }
```


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

```
.border{ border-color:rgb(0, 225, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5859, 58.1147, 65.1134 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, 202) }
```

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

```
.background{ background-color: rgb(0, 225,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor