

Converting Colors

XYZ(18.5171, 47.8605, 64.1152)

Have a look what the booklet for
XYZ(18.5171, 47.8605, 64.1152)
contains.

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Color

**XYZ(37.3163, 57.5756,
65.0235)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0CA
RGB	0, 224, 202
RGB Percent	0%, 88%, 79%
CMY	0.9998, 0.1216, 0.2078
CMYK	1.00, 0.00, 0.10, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.3163, 57.5756, 65.0235
YIQ	154.5160, -126.4420, -54.3300

Conversions

Conversions Part 2

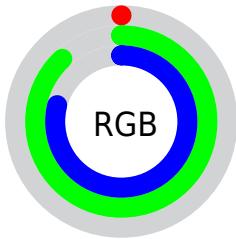
Format	Color
RYB	0, 118, 224
Decimal	57546
CIELab	80.50, -49.84, -2.04
CIELCh	81, 49.880, 182.343
Yxy	57.5756, 0.2334, 0.3600
Android (android.graphics.Color)	4278247626 (0xFF00E0CA)
YUV	154.5160, 23.4096, -135.5105
Hunter-Lab	75.8786, -45.0031, 2.3070

Details

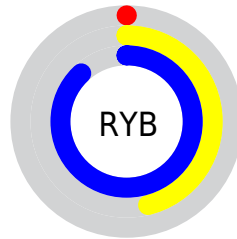
The XYZ color **37.3163, 57.5756, 65.0235** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.8872, 15.9069, 2.2037**, and the grayscale version is **30.8882, 32.4968, 35.3891**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.3479, 30.1434, 32.8155** is the 20% darker color. If you saturate the color by 10%, you get **37.3170, 57.5773, 65.0223**, and if you desaturate by 10%, it is **37.9207, 57.8582, 66.4231**.

Distribution



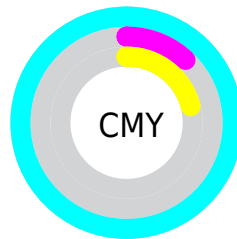
- Red (0%)
- Green (88%)
- Blue (79%)



- Red (0%)
- Yellow (46%)
- 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 37.3163, 57.5756, 65.0235 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 37.3163, 57.5756, 65.0235 by changing the saturation by 10% instead.

 37.3163, 57.5756,
65.0235


 37.3163, 57.5756,
65.0235


326.0097,
415.6027, 461.1849


 25.6273, 41.4676,
47.0287


 70.3697, 101.3046,
113.6972


 16.6762, 28.6846,
32.7038


 92.4647, 129.6943,
145.2132


 10.0978, 18.8424,
21.6304


 118.7592,
162.9467, 182.0734

 5.5266, 11.5564,
13.3899

 149.6184,
201.4462, 224.6962

 2.5973, 6.4424,
7.5637

 185.4077,
245.5771, 273.5002

 0.9446, 3.1159,
3.7333

226.4924,

 0.0000, 1.1925,

295.7239, 328.9040

1.4802

273.2380,
352.2710, 391.3260

■ 0.0000, 0.0556,
0.2031

■ 0.0000, 0.0000,
0.0000

■ 37.3163, 57.5756,
65.0235

■ 37.3163, 57.5756,
65.0235

■ 37.3170, 57.5773,
65.0223

■ 37.9207, 57.8582,
66.4231

■ 38.9214, 58.3433,
67.8594

■ 40.4476, 59.0989,
69.3399

■ 42.5717, 60.1623,
70.8680

■ 45.3551, 61.5651,
72.4466

■ 48.8512, 63.3349,
74.0784

■ 53.1081, 65.4965,
75.7657

■ 58.1698, 68.0725,
77.5106

■ 64.0767, 71.0838,
79.3150

Harmonies

Analogous

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



39.0730, 57.5756, 39.9921



37.3163, 57.5756, 65.0235



39.7195, 57.5756, 97.9497

Triad

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



37.3163, 57.5756, 65.0235



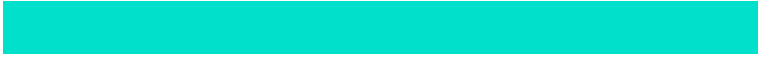
65.9462, 57.5756, 123.4076



64.3800, 57.5756, 24.8377

Complementary

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



37.3163, 57.5756, 65.0235



30.8872, 15.9069, 2.2037

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.



73.0983, 57.5756, 37.1058



37.3163, 57.5756, 65.0235



74.0789, 57.5756, 92.6715

Square

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



37.3163, 57.5756, 65.0235



55.5327, 57.5756, 137.5832



76.8450, 57.5756, 60.4131



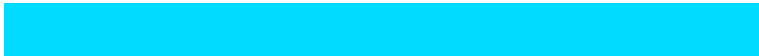
53.9229, 57.5756, 21.5453

Rectangle

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



37.3163, 57.5756, 65.0235



43.5563, 57.5756, 118.7581



76.8450, 57.5756, 60.4131



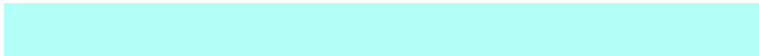
67.6537, 57.5756, 27.8096

Sweetspot

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



37.3180, 57.5778, 65.0249



71.0985, 87.7896, 101.5861



26.9974, 53.4889, 8.9027



14.6737, 18.5140, 21.5361



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.



37.3180, 57.5778, 65.0249



50.0358, 77.2303, 87.0951



22.0386, 22.5485, 73.7142



14.0555, 15.5479, 17.3274



21.7445, 33.5226, 37.9730



1.5243, 2.3304, 2.7219

Inverse Universe

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



30.8872, 15.9069, 2.2037



41.4160, 21.3304, 2.8569



34.3665, 23.0974, 2.6481



13.7617, 13.7223, 14.5151



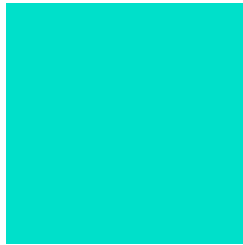
17.9966, 9.2656, 1.3820



1.2663, 0.6498, 0.1954

Previews

White Background



This preview shows how the XYZ color 37.3163, 57.5756, 65.0235 looks on a white background.

Color Contrast Check

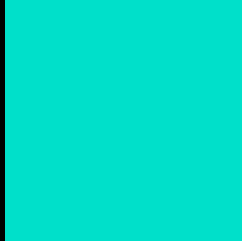
Large Text (above 18pt) WCAG AA × Fail

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 37.3163, 57.5756, 65.0235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

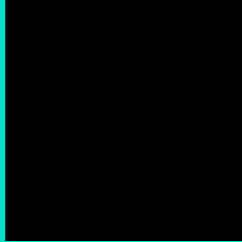
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

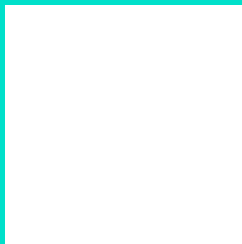
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3163, 57.5756, 65.0235

Background



This preview shows how black text looks on a background with the XYZ color 37.3163, 57.5756, 65.0235.

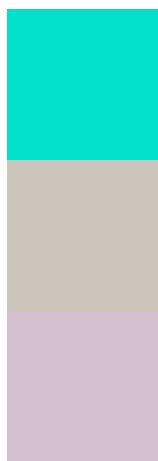


This preview shows how white text looks on a background with the XYZ color 37.3163, 57.5756,

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

37.3163, 57.5756, 65.0235

Protanopia

53.8377, 56.3577, 55.0543

Deuteranopia

57.5096, 56.2998, 68.1575



Tritanopia

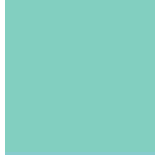
42.3049, 57.6473, 89.0181

Trichromacy



Original Color

37.3163, 57.5756, 65.0235



Protanomaly

41.0332, 53.1772, 57.9707



Deuteranomaly

42.7251, 52.7929, 66.3307



Tritanomaly

40.0386, 57.4698, 79.5035

Monochromacy



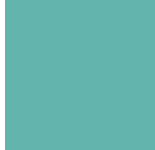
Original Color

37.3163, 57.5756, 65.0235



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 37.3163, 57.5756, 65.0235 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 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, 224, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.3163, 57.5756, 65.0235 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, 202) }
```


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

```
.border{ border-color:rgb(0, 224, 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, 224, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3163, 57.5756, 65.0235 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, 202) }
```

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

```
.background{ background-color: rgb(0, 224,  
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](#).

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