

Converting Colors

XYZ(36.4516, 56.6813, 65.0754)

Have a look what the booklet for
XYZ(36.4516, 56.6813, 65.0754)
contains.

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Color

**XYZ(37.0483, 57.0396,
64.9342)**

Conversions

Conversions Part 1

Format	Color
Hex	00DFCA
RGB	0, 223, 202
RGB Percent	0%, 87%, 79%
CMY	0.9998, 0.1255, 0.2078
CMYK	1.00, 0.00, 0.09, 0.13
HSL	174°, 100%, 44%
HSV	174°, 100%, 87%
XYZ	37.0483, 57.0396, 64.9342
YIQ	153.9290, -126.1670, -53.8070

Conversions

Conversions Part 2

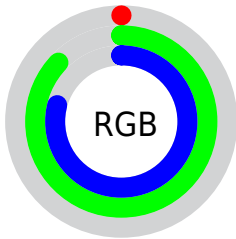
Format	Color
RYB	0, 117, 223
Decimal	57290
CIELab	80.20, -49.42, -2.48
CIELCh	80, 49.484, 182.873
Yxy	57.0396, 0.2330, 0.3587
Android (android.graphics.Color)	4278247370 (0xFF00DFCA)
YUV	153.9290, 23.6990, -134.9957
Hunter-Lab	75.5246, -44.6055, 1.8911

Details

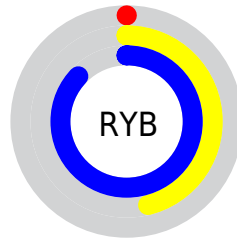
The XYZ color **37.0483, 57.0396, 64.9342** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.5687, 15.7437, 2.1393**, and the grayscale version is **30.6291, 32.2242, 35.0921**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.1640, 29.7756, 32.7542** is the 20% darker color. If you saturate the color by 10%, you get **37.0490, 57.0413, 64.9331**, and if you desaturate by 10%, it is **37.6384, 57.3162, 66.2704**.

Distribution



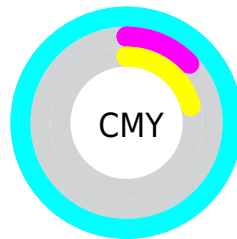
- Red (0%)
- Green (87%)
- Blue (79%)



- Red (0%)
- Yellow (46%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0483, 57.0396, 64.9342 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 37.0483, 57.0396, 64.9342 by changing the saturation by 10% instead.

 37.0483, 57.0396,
64.9342


 37.0483, 57.0396,
64.9342


324.8715,
413.5977, 460.8552


 25.4187, 41.0370,
46.9567


 69.9604, 100.5230,
113.5676


 16.5197, 28.3480,
32.6473


 91.9737, 128.7726,
145.0606


 9.9858, 18.5882,
21.5875


 118.1789,
161.8733, 181.8959

 5.4517, 11.3731,
13.3587

 148.9414,
200.2095, 224.4920

 2.5521, 6.3184,
7.5424

 184.6265,
244.1657, 273.2675

 0.9216, 3.0396,
3.7200

225.5997,

 0.0000, 1.1525,

294.1262, 328.6408

1.4730

272.2262,
350.4754, 391.0305

■ 0.0000, 0.0223,
0.1977

■ 0.0000, 0.0000,
0.0000

■ 37.0483, 57.0396,
64.9342

■ 37.0483, 57.0396,
64.9342

■ 37.0490, 57.0413,
64.9331

■ 37.6384, 57.3162,
66.2704

■ 38.6203, 57.7930,
67.6414

■ 40.1219, 58.5374,
69.0546

■ 42.2150, 59.5863,
70.5133

■ 44.9601, 60.9710,
72.0204

■ 48.4102, 62.7186,
73.5786

■ 52.6128, 64.8539,
75.1901

■ 57.6114, 67.3990,
76.8570

■ 63.4460, 70.3747,
78.5812

Harmonies

Analogous

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



38.7101, 57.0396, 40.0524



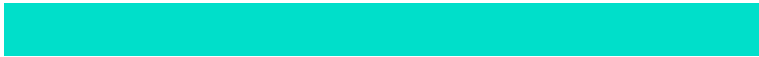
37.0483, 57.0396, 64.9342



39.4924, 57.0396, 97.4266

Triad

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



37.0483, 57.0396, 64.9342



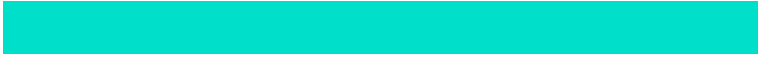
65.4463, 57.0396, 121.4670



63.5546, 57.0396, 24.6080

Complementary

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



37.0483, 57.0396, 64.9342



30.5687, 15.7437, 2.1393

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.



72.2041, 57.0396, 36.5575



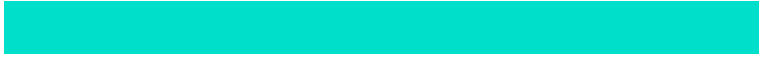
37.0483, 57.0396, 64.9342



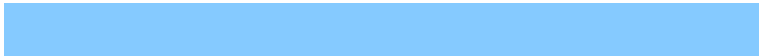
73.3881, 57.0396, 91.0561

Square

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



37.0483, 57.0396, 64.9342



55.1930, 57.0396, 135.8076



76.0013, 57.0396, 59.3620



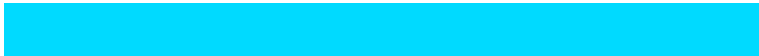
53.2475, 57.0396, 21.4890

Rectangle

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



37.0483, 57.0396, 64.9342



43.3229, 57.0396, 117.8029



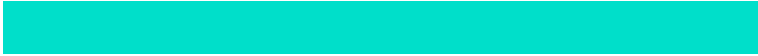
76.0013, 57.0396, 59.3620



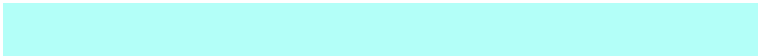
66.7936, 57.0396, 27.4937

Sweetspot

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



37.0500, 57.0418, 64.9356



71.1464, 87.8088, 101.8386



26.7272, 52.9517, 8.8132



14.6853, 18.5187, 21.5973



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.



37.0500, 57.0418, 64.9356



50.1810, 77.2884, 87.8602



21.8203, 22.3282, 72.9741



14.0580, 15.5489, 17.3406



21.8063, 33.5474, 38.2984



1.5279, 2.3319, 2.7413

Inverse Universe

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



30.5687, 15.7437, 2.1393



41.4051, 21.3260, 2.7993



34.0239, 22.8711, 2.6225



13.7594, 13.7214, 14.5033



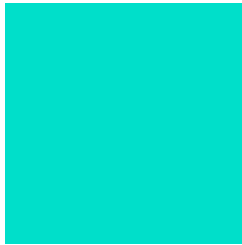
17.9911, 9.2634, 1.3528



1.2653, 0.6494, 0.1897

Previews

White Background



This preview shows how the XYZ color 37.0483, 57.0396, 64.9342 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 37.0483, 57.0396, 64.9342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

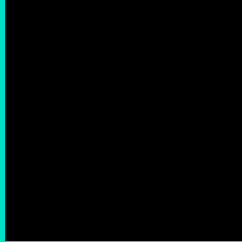
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

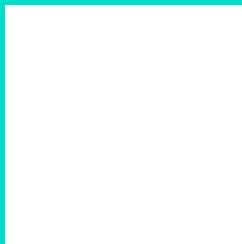
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0483, 57.0396, 64.9342

Background



This preview shows how black text looks on a background with the XYZ color 37.0483, 57.0396, 64.9342.

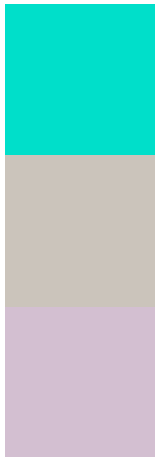


This preview shows how white text looks on a background with the XYZ color 37.0483, 57.0396,

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

37.0483, 57.0396, 64.9342

Protanopia

53.3382, 55.7642, 54.9661

Deuteranopia

57.0034, 55.7139, 68.0711



Tritanopia

41.8426, 57.0397, 88.1613

Trichromacy



Original Color

37.0483, 57.0396, 64.9342



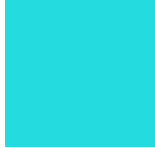
Protanomaly

40.6390, 52.6155, 57.8831



Deuteranomaly

42.3280, 52.2364, 66.2442



Tritanomaly

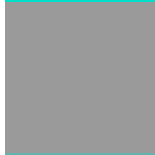
39.7753, 56.9433, 79.4158

Monochromacy



Original Color

37.0483, 57.0396, 64.9342



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.5078, 37.7771, 44.3173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0483, 57.0396, 64.9342 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, 223, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 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, 223, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.0483, 57.0396, 64.9342 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, 223, 202) }
```


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

```
.border{ border-color:rgb(0, 223, 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, 223, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 223, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 223, 202); box-shadow:4px 4px 4px 4px rgb(0, 223, 202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0483, 57.0396, 64.9342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 202) }
```

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

```
.background{ background-color: rgb(0, 223,  
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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