

Converting Colors

XYZ(29.1783, 52.8824, 64.9493)

Have a look what the booklet for
XYZ(29.1783, 52.8824, 64.9493)
contains.

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Color

**XYZ(37.1672, 57.0871,
65.5599)**

Conversions

Conversions Part 1

Format	Color
Hex	00DFCB
RGB	0, 223, 203
RGB Percent	0%, 87%, 80%
CMY	0.9998, 0.1255, 0.2039
CMYK	1.00, 0.00, 0.09, 0.13
HSL	175°, 100%, 44%
HSV	175°, 100%, 87%
XYZ	37.1672, 57.0871, 65.5599
YIQ	154.0430, -126.4880, -53.4960

Conversions

Conversions Part 2

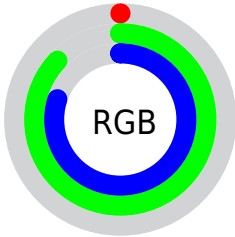
Format	Color
RYB	0, 117, 223
Decimal	57291
CIELab	80.23, -49.15, -2.97
CIELCh	80, 49.236, 183.462
Yxy	57.0871, 0.2326, 0.3572
Android (android.graphics.Color)	4278247371 (0xFF00DFCB)
YUV	154.0430, 24.1358, -135.0957
Hunter-Lab	75.5560, -44.4160, 1.4433

Details

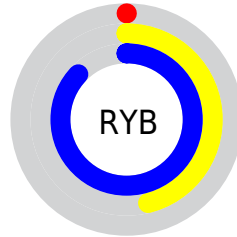
The XYZ color **37.1672, 57.0871, 65.5599** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.5597, 15.7403, 2.0918**, and the grayscale version is **30.6786, 32.2763, 35.1489**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.2435, 29.8074, 33.1729** is the 20% darker color. If you saturate the color by 10%, you get **37.1677, 57.0887, 65.5583**, and if you desaturate by 10%, it is **37.7469, 57.3595, 66.8411**.

Distribution



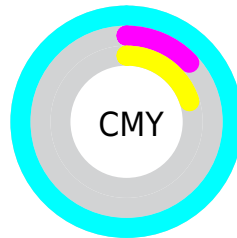
- Red (0%)
- Green (87%)
- Blue (80%)



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



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



- Cyan (100%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1672, 57.0871, 65.5599 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 37.1672, 57.0871, 65.5599 by changing the saturation by 10% instead.

37.1672, 57.0871,
65.5599

37.1672, 57.0871,
65.5599

325.3768,
413.7756, 463.1625

25.5112, 41.0752,
47.4610

70.1420, 100.5923,
114.4754

16.5891, 28.3778,
33.0433

92.1916, 128.8543,
146.1291

10.0355, 18.6107,
21.8882

118.4364,
161.9685, 183.1381

5.4849, 11.3893,
13.5773

149.2419,
200.3192, 225.9211

2.5721, 6.3293,
7.6919

184.9733,
244.2909, 274.8964

0.9318, 3.0463,
3.8135

225.9960,

0.0000, 1.1560,

294.2679, 330.4827

1.5236

272.6754,
350.6347, 393.0986

■ 0.0000, 0.0253,
0.2354

■ 0.0000, 0.0000,
0.0000

■ 37.1672, 57.0871,
65.5599

■ 37.1672, 57.0871,
65.5599

■ 37.1677, 57.0887,
65.5583

■ 37.7469, 57.3595,
66.8411

■ 38.7183, 57.8322,
68.1554

■ 40.2091, 58.5723,
69.5102

■ 42.2911, 59.6168,
70.9089

■ 45.0248, 60.9969,
72.3545

■ 48.4632, 62.7399,
73.8493

■ 52.6538, 64.8704,
75.3958

■ 57.6401, 67.4107,
76.9960

■ 63.4621, 70.3814,
78.6518

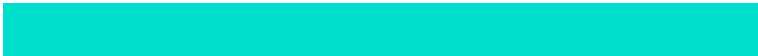
Harmonies

Analogous

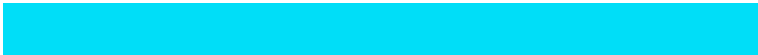
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.7436, 57.0871, 40.5665



37.1672, 57.0871, 65.5599



39.6832, 57.0871, 97.9360

Triad

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



37.1672, 57.0871, 65.5599



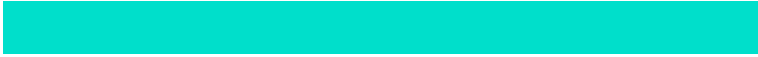
65.6263, 57.0871, 120.6978



63.3588, 57.0871, 24.6310

Complementary

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



37.1672, 57.0871, 65.5599



30.5597, 15.7403, 2.0918

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.



72.0287, 57.0871, 36.3659



37.1672, 57.0871, 65.5599



73.4472, 57.0871, 90.3065

Square

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



37.1672, 57.0871, 65.5599



55.4347, 57.0871, 135.3743



75.9226, 57.0871, 58.8762



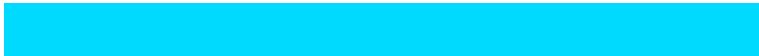
53.1012, 57.0871, 21.6673

Rectangle

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



37.1672, 57.0871, 65.5599



43.5495, 57.0871, 118.0648



75.9226, 57.0871, 58.8762



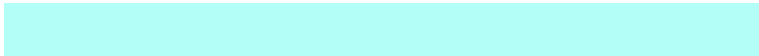
66.5957, 57.0871, 27.4546

Sweetspot

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



37.1689, 57.0893, 65.5613



71.1996, 87.8301, 102.1187



26.7274, 52.9517, 8.8135



14.6982, 18.5238, 21.6654



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.



37.1689, 57.0893, 65.5613



50.3430, 77.3532, 88.7131



21.8210, 22.3294, 72.9742



14.0608, 15.5500, 17.3552



21.8751, 33.5749, 38.6611



1.5320, 2.3335, 2.7627

Inverse Universe

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



30.5597, 15.7403, 2.0918



41.3934, 21.3214, 2.7379



34.0244, 22.8721, 2.6230



13.7569, 13.7204, 14.4901



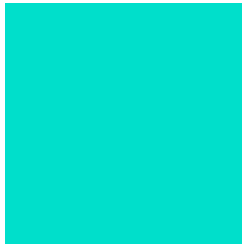
17.9851, 9.2610, 1.3215



1.2641, 0.6489, 0.1834

Previews

White Background



This preview shows how the XYZ color 37.1672, 57.0871, 65.5599 looks on a white background.

Color Contrast Check

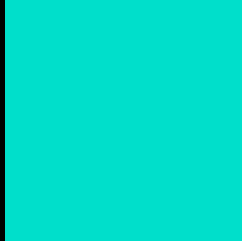
Large Text (above 18pt) WCAG AA × Fail

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 37.1672, 57.0871, 65.5599 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

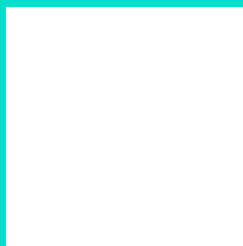
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1672, 57.0871, 65.5599

Background



This preview shows how black text looks on a background with the XYZ color 37.1672, 57.0871, 65.5599.

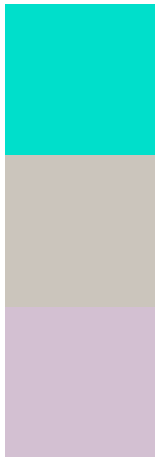


This preview shows how white text looks on a background with the XYZ color 37.1672, 57.0871,

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

37.1672, 57.0871, 65.5599

Protanopia

53.6720, 56.2599, 55.6074

Deuteranopia

57.3465, 56.2013, 68.7982



Tritanopia

41.7873, 57.0112, 88.1587

Trichromacy



Original Color

37.1672, 57.0871, 65.5599



Protanomaly

40.7502, 52.6600, 58.4687



Deuteranomaly

42.4499, 52.2852, 66.8862



Tritanomaly

39.7409, 56.9255, 79.4142

Monochromacy



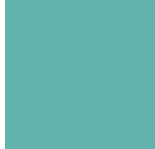
Original Color

37.1672, 57.0871, 65.5599



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.6035, 37.8154, 44.8213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1672, 57.0871, 65.5599 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 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, 223, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.1672, 57.0871, 65.5599 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, 203) }
```


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

```
.border{ border-color:rgb(0, 223, 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, 223, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1672, 57.0871, 65.5599 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, 203) }
```

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

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