

# Converting Colors

XYZ(37.8963, 57.3788, 69.3995)

Have a look what the booklet for  
XYZ(37.8963, 57.3788, 69.3995)  
contains.

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# Color

**XYZ(37.8963, 57.3788,  
69.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DFD1
RGB	0, 223, 209
RGB Percent	0%, 87%, 82%
CMY	0.9998, 0.1255, 0.1804
CMYK	1.00, 0.00, 0.06, 0.13
HSL	176°, 100%, 44%
HSV	176°, 100%, 87%
XYZ	37.8963, 57.3788, 69.3995
YIQ	154.7270, -128.4140, -51.6300

# Conversions

## Conversions Part 2

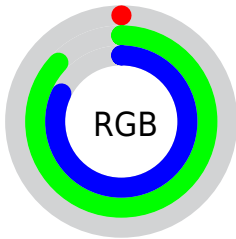
Format	Color
<a href="#">RYB</a>	<a href="#">0, 115, 223</a>
Decimal	<a href="#">57297</a>
CIELab	<a href="#">80.39, -47.48, -5.93</a>
CIELCh	<a href="#">80, 47.845, 187.114</a>
Yxy	<a href="#">57.3788, 0.2301, 0.3484</a>
Android (android.graphics.Color)	<a href="#">4278247377</a> ( <a href="#">0xFF00DFD1</a> )
YUV	<a href="#">154.7270, 26.7566, -135.6956</a>
Hunter-Lab	<a href="#">75.7488, -43.2588, -1.2961</a>

# Details

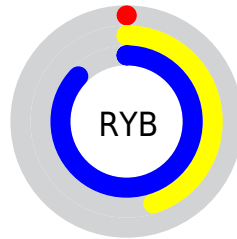
The XYZ color **37.8963, 57.3788, 69.3995** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.5126, 15.7214, 1.8436**, and the grayscale version is **30.9683, 32.5811, 35.4808**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.7351, 30.0040, 35.7615** is the 20% darker color. If you saturate the color by 10%, you get **37.8970, 57.3805, 69.3989**, and if you desaturate by 10%, it is **38.4102, 57.6249, 70.3341**.

# Distribution



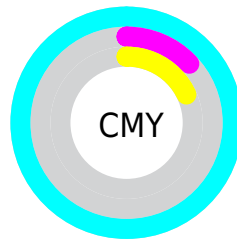
- Red (0%)
- Green (87%)
- Blue (82%)



- Red (0%)
- Yellow (45%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8963, 57.3788, 69.3995 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 37.8963, 57.3788, 69.3995 by changing the saturation by 10% instead.



37.8963, 57.3788,  
69.3995

37.8963, 57.3788,  
69.3995

328.4635,  
414.8672, 477.1708

26.0791, 41.3094,  
50.5634

71.2541, 101.0177,  
120.0251

17.0158, 28.5610,  
35.4869

93.5254, 129.3560,  
152.6516

10.3411, 18.7489,  
23.7516

120.0120,  
162.5528, 190.7120

5.6897, 11.4890,  
14.9390

151.0794,  
200.9924, 234.6247

2.6962, 6.3968,  
8.6304

187.0929,  
245.0593, 284.8085

0.9952, 3.0878,  
4.4074

228.4178,

0.0000, 1.1777,

295.1378, 341.6817

1.8514

275.4196,  
351.6123, 405.6629

■ 0.0000, 0.0434,  
0.4615

■ 0.0000, 0.0000,  
0.0000

■ 37.8963, 57.3788,  
69.3995

■ 37.8963, 57.3788,  
69.3995

■ 37.8970, 57.3805,  
69.3989

■ 38.4102, 57.6249,  
70.3341

■ 39.3141, 58.0706,  
71.2935

■ 40.7359, 58.7830,  
72.2853

■ 42.7472, 59.7993,  
73.3126

■ 45.4087, 61.1505,  
74.3784

■ 48.7733, 62.8640,  
75.4851

■ 52.8885, 64.9643,  
76.6351

■ 57.7978, 67.4737,  
77.8303

■ 63.5412, 70.4130,  
79.0727

# Harmonies

## Analogous

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



38.9557, 57.3788, 43.7535



37.8963, 57.3788, 69.3995



40.8502, 57.3788, 101.0176

# Triad

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



37.8963, 57.3788, 69.3995



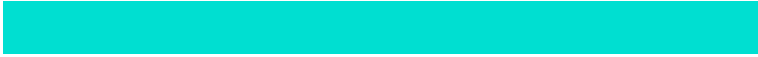
66.7136, 57.3788, 116.1373



62.1968, 57.3788, 24.7842

# Complementary

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



37.8963, 57.3788, 69.3995



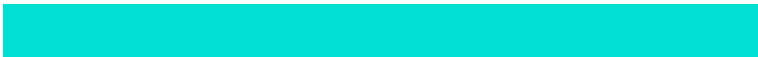
30.5126, 15.7214, 1.8436

# 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.



70.9827, 57.3788, 35.2456



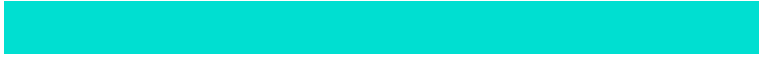
37.8963, 57.3788, 69.3995



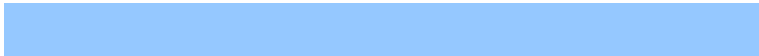
73.8008, 57.3788, 85.8966

# Square

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



37.8963, 57.3788, 69.3995



56.9037, 57.3788, 132.7701



75.4499, 57.3788, 56.0286

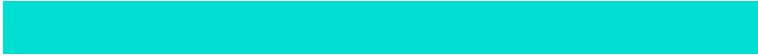


52.2366, 57.3788, 22.7724



# Rectangle

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



37.8963, 57.3788, 69.3995



44.9334, 57.3788, 119.6241



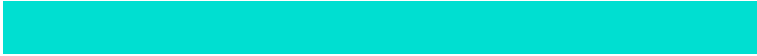
75.4499, 57.3788, 56.0286



65.4195, 57.3788, 27.2359

# Sweetspot

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



37.8980, 57.3810, 69.4009



71.5211, 87.9587, 103.8117



26.5844, 52.8780, 8.8067



14.7764, 18.5551, 22.0768



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.



37.8980, 57.3810, 69.4009



51.3379, 77.7512, 93.9521



20.8311, 20.3497, 72.6443



14.0775, 15.5567, 17.4431



22.2980, 33.7440, 40.8878



1.5570, 2.3435, 2.8942



# Inverse Universe

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



30.5126, 15.7214, 1.8436



41.3336, 21.2975, 2.4231



34.6763, 24.1757, 2.8401



13.7420, 13.7144, 14.4114



17.9539, 9.2486, 1.1570

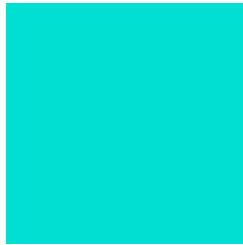


1.2569, 0.6460, 0.1458



# Previews

## White Background



This preview shows how the XYZ color 37.8963, 57.3788, 69.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

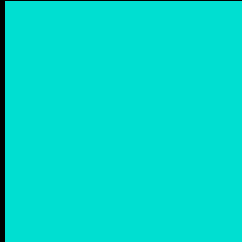
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.8963, 57.3788, 69.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

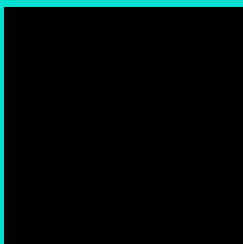
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

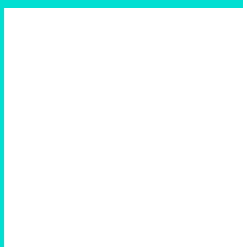
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.8963, 57.3788, 69.3995**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8963, 57.3788, 69.3995.



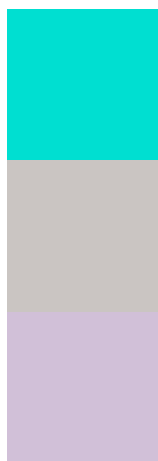
This preview shows how white text looks on a background with the XYZ color 37.8963, 57.3788,



# 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

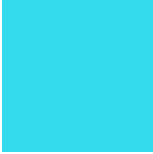
37.8963, 57.3788, 69.3995

### Protanopia

54.0610, 56.3841, 59.0728

### Deuteranopia

57.5388, 56.2125, 72.7832



## **Tritanopia**

42.0338, 57.5075, 89.0054

# Trichromacy



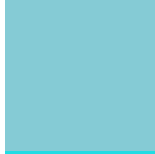
## Original Color

37.8963, 57.3788, 69.3995



## Protanomaly

41.4334, 52.9333, 62.0662



## Deuteranomaly

43.0390, 52.5025, 70.8164



## Tritanomaly

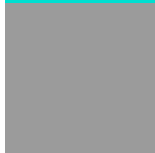
40.0855, 57.0558, 81.5732

# Monochromacy



## Original Color

37.8963, 57.3788, 69.3995



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

29.2047, 38.3903, 46.4283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8963, 57.3788, 69.3995 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8963, 57.3788, 69.3995 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, 209) }
```



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

```
.border{ border-color:rgb(0, 223, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8963, 57.3788, 69.3995 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, 209) }
```

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

```
.background{ background-color: rgb(0, 223,  
209) }
```

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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