

# Converting Colors

XYZ(40.0675, 57.9603, 81.7136)

Have a look what the booklet for  
XYZ(40.0675, 57.9603, 81.7136)  
contains.

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# Color

**XYZ(39.9864, 57.7886,  
81.7199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DEE3
RGB	0, 222, 227
RGB Percent	0%, 87%, 89%
CMY	0.9998, 0.1294, 0.1098
CMYK	1.00, 0.02, 0.00, 0.11
HSL	181°, 100%, 45%
HSV	181°, 100%, 89%
XYZ	39.9864, 57.7886, 81.7199
YIQ	156.1920, -133.9170, -45.5090

# Conversions

## Conversions Part 2

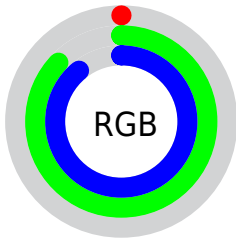
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 112, 227
Decimal	57059
CIELab	80.62, -41.82, -15.17
CIELCh	81, 44.484, 199.935
Yxy	57.7886, 0.2228, 0.3220
Android (android.graphics.Color)	4278247139 (0xFF00DEE3)
YUV	156.1920, 34.9083, -136.9804
Hunter-Lab	76.0188, -39.1407, -10.5233

# Details

The XYZ color **39.9864, 57.7886, 81.7199** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7342, 16.4410, 1.5025**, and the grayscale version is **31.5858, 33.2308, 36.1883**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.0826, 30.2510, 43.7576** is the 20% darker color. If you saturate the color by 10%, you get **39.9871, 57.7897, 81.7212**, and if you desaturate by 10%, it is **40.4683, 58.2357, 81.7819**.

# Distribution



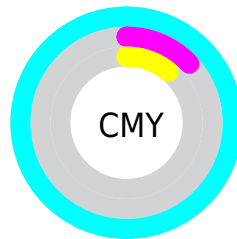
- Red (0%)
- Green (87%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (13%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9864, 57.7886, 81.7199 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 39.9864, 57.7886, 81.7199 by changing the saturation by 10% instead.



39.9864, 57.7886,  
81.7199

39.9864, 57.7886,  
81.7199

337.2016,  
416.3978, 520.5691

27.7121, 41.6387,  
60.6002

74.4273, 101.6149,  
137.6143

18.2481, 28.8185,  
43.4741

97.3246, 130.0602,  
173.2261

11.2290, 18.9436,  
29.9232

124.4936,  
163.3727, 214.5056

6.2895, 11.6295,  
19.5287

156.2996,  
201.9369, 261.8715

3.0642, 6.4919,  
11.8723

193.1081,  
246.1370, 315.7423

1.1878, 3.1464,  
6.5353

235.2844,

0.0967, 1.2087,

296.3577, 376.5364

3.0992

283.1938,  
352.9831, 444.6725

■ 0.0000, 0.0688,  
1.1455

■ 0.0000, 0.0000,  
0.0000

■ 39.9864, 57.7886,  
81.7199

■ 39.9864, 57.7886,  
81.7199

■ 39.9871, 57.7897,  
81.7212

■ 40.4683, 58.2357,  
81.7819

■ 41.3563, 58.8915,  
81.8617

■ 42.7826, 59.8253,  
81.9667

■ 44.8222, 61.0760,  
82.1006

■ 47.5385, 62.6761,  
82.2663

■ 50.9867, 64.6541,  
82.4664

■ 55.2166, 67.0356,  
82.7031

■ 60.2734, 69.8440,  
82.9787

■ 66.1990, 73.1009,  
83.2950

# Harmonies

## Analogous

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



39.3555, 57.7886, 54.5172



39.9864, 57.7886, 81.7199



44.3587, 57.7886, 109.9186

# Triad

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



39.9864, 57.7886, 81.7199



69.5271, 57.7886, 101.2621



58.0601, 57.7886, 25.1970

# Complementary

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



39.9864, 57.7886, 81.7199



31.7342, 16.4410, 1.5025

# 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.



67.0516, 57.7886, 31.6922



39.9864, 57.7886, 81.7199



74.1421, 57.7886, 72.1490

# Square

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



39.9864, 57.7886, 81.7199



61.1483, 57.7886, 123.1981



73.1890, 57.7886, 47.2533



49.1414, 57.7886, 26.4361



# Rectangle

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



39.9864, 57.7886, 81.7199



49.1064, 57.7886, 123.1366



73.1890, 57.7886, 47.2533



61.1888, 57.7886, 26.4582

# Sweetspot

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



39.9882, 57.7907, 81.7213



71.7499, 87.1939, 107.6562



27.4913, 54.9478, 9.2673



14.8320, 18.3684, 23.0137



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.



39.9882, 57.7907, 81.7213



52.0444, 75.2088, 106.3815



19.4148, 16.6439, 74.8635



14.7788, 16.2790, 18.5076



23.3323, 33.7267, 47.6633



1.7329, 2.5097, 3.5251



# Inverse Universe

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



44.8649, 21.6065, 70.9153



58.3988, 28.1235, 92.2870



38.0771, 29.1267, 3.6168



14.9807, 14.6095, 18.0987



26.1706, 12.6025, 41.3888

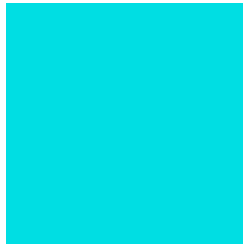


1.9383, 0.9330, 3.0816



# Previews

## White Background



This preview shows how the XYZ color 39.9864, 57.7886, 81.7199 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 39.9864, 57.7886, 81.7199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

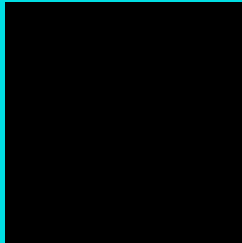
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

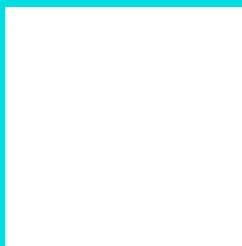
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.9864, 57.7886, 81.7199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9864, 57.7886, 81.7199.



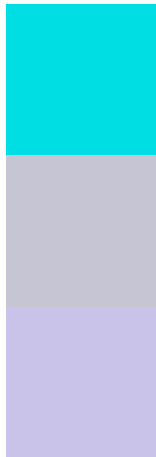
This preview shows how white text looks on a background with the XYZ color 39.9864, 57.7886,



# 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

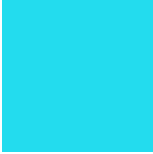
39.9864, 57.7886, 81.7199

### Protanopia

55.0128, 56.6414, 69.6614

### Deuteranopia

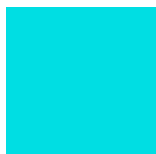
58.0872, 56.8843, 85.0090



## **Tritanopia**

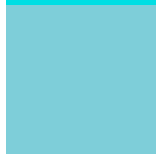
41.7190, 57.7168, 89.8306

# Trichromacy



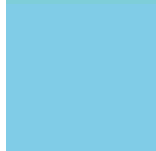
## Original Color

39.9864, 57.7886, 81.7199



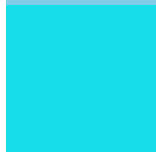
## Protanomaly

43.1999, 53.5880, 73.7123



## Deuteranomaly

44.9188, 53.5444, 83.5689



## Tritanomaly

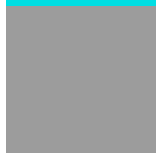
41.0386, 57.8240, 86.8401

# Monochromacy



## Original Color

39.9864, 57.7886, 81.7199



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

29.9103, 38.6726, 50.1441

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9864, 57.7886, 81.7199 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, 222, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 227)  
}
```

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, 222, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9864, 57.7886, 81.7199 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, 222, 227) }
```



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

```
.border{ border-color:rgb(0, 222, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 222, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9864, 57.7886, 81.7199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 227) }
```

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

```
.background{ background-color: rgb(0, 222,  
227) }
```

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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