

Converting Colors

XYZ(37.7028, 56.6813, 81.0432)

Have a look what the booklet for
XYZ(37.7028, 56.6813, 81.0432)
contains.

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Color

**XYZ(39.8487, 57.7335,
80.9949)**

Conversions

Conversions Part 1

Format	Color
Hex	00DEE2
RGB	0, 222, 226
RGB Percent	0%, 87%, 89%
CMY	0.9998, 0.1294, 0.1137
CMYK	1.00, 0.02, 0.00, 0.11
HSL	181°, 100%, 44%
HSV	181°, 100%, 89%
XYZ	39.8487, 57.7335, 80.9949
YIQ	156.0780, -133.5960, -45.8200

Conversions

Conversions Part 2

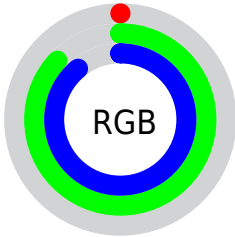
Format	Color
RYB	0, 112, 226
Decimal	57058
CIELab	80.59, -42.12, -14.68
CIELCh	81, 44.602, 199.217
Yxy	57.7335, 0.2231, 0.3233
Android (android.graphics.Color)	4278247138 (0xFF00DDE2)
YUV	156.0780, 34.4715, -136.8804
Hunter-Lab	75.9826, -39.3560, -10.0134

Details

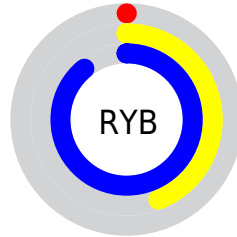
The XYZ color **39.8487, 57.7335, 80.9949** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.4088, 16.2571, 1.4841**, and the grayscale version is **31.5366, 33.1789, 36.1319**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.9869, 30.2127, 43.2536** is the 20% darker color. If you saturate the color by 10%, you get **39.8495, 57.7347, 80.9962**, and if you desaturate by 10%, it is **40.3016, 58.1261, 81.0479**.

Distribution



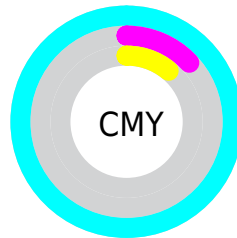
- Red (0%)
- Green (87%)
- Blue (89%)



- 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 39.8487, 57.7335, 80.9949 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 39.8487, 57.7335, 80.9949 by changing the saturation by 10% instead.

39.8487, 57.7335,
80.9949

39.8487, 57.7335,
80.9949

336.6308,
416.1922, 518.0743

27.6043, 41.5944,
60.0064

74.2189, 101.5347,
136.5876

18.1665, 28.7839,
42.9985

97.0753, 129.9656,
172.0289

11.1700, 18.9174,
29.5525

124.1999,
163.2625, 213.1249

6.2494, 11.6106,
19.2500

155.9578,
201.8100, 260.2942

3.0394, 6.4791,
11.6724

192.7145,
245.9922, 313.9552

1.1747, 3.1385,
6.4012

234.8353,

0.0862, 1.2045,

296.1938, 374.5266

3.0178

282.6857,
352.7989, 442.4267

■ 0.0000, 0.0654,
1.1038

■ 0.0000, 0.0000,
0.0000

■ 39.8487, 57.7335,
80.9949

■ 39.8487, 57.7335,
80.9949

■ 39.8495, 57.7347,
80.9962

■ 40.3016, 58.1261,
81.0479

■ 41.1562, 58.7249,
81.1184

■ 42.5435, 59.5987,
81.2140

■ 44.5377, 60.7858,
81.3380

■ 47.2014, 62.3183,
81.4934

■ 50.5894, 64.2247,
81.6828

■ 54.7507, 66.5300,
81.9085

■ 59.7303, 69.2576,
82.1725

■ 65.5694, 72.4287,
82.4768

Harmonies

Analogous

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



39.3088, 57.7335, 53.8781



39.8487, 57.7335, 80.9949



44.1416, 57.7335, 109.3855

Triad

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



39.8487, 57.7335, 80.9949



69.3401, 57.7335, 101.9613



58.2400, 57.7335, 25.1551

Complementary

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



39.8487, 57.7335, 80.9949



31.4088, 16.2571, 1.4841

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.



67.2185, 57.7335, 31.8495



39.8487, 57.7335, 80.9949



74.0854, 57.7335, 72.7928

Square

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



39.8487, 57.7335, 80.9949



60.8858, 57.7335, 123.6334



73.2685, 57.7335, 47.6600



49.2715, 57.7335, 26.2136

Rectangle

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



39.8487, 57.7335, 80.9949



48.8511, 57.7335, 122.8938



73.2685, 57.7335, 47.6600



61.3725, 57.7335, 26.4780

Sweetspot

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



39.8505, 57.7356, 80.9963



71.8547, 87.4035, 107.6912



27.2184, 54.4022, 9.1759



14.8575, 18.4195, 23.0222



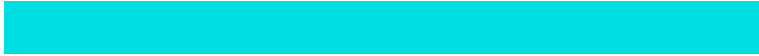
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8505, 57.7356, 80.9963



52.3873, 75.8946, 106.4958



19.2251, 16.4849, 74.1212



14.0947, 15.5285, 17.6421



22.7437, 32.9570, 46.2110



1.5832, 2.2979, 3.2053

Inverse Universe

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



44.5503, 21.4443, 70.9005



58.5719, 28.1928, 93.1985



37.7022, 28.8439, 3.5819



14.2840, 13.9312, 17.2658



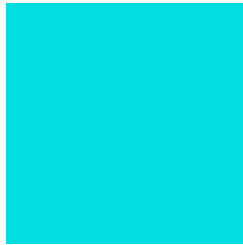
25.4202, 12.2351, 40.4740



1.7654, 0.8494, 2.8233

Previews

White Background



This preview shows how the XYZ color 39.8487, 57.7335, 80.9949 looks on a white background.

Color Contrast Check

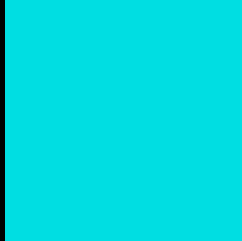
Large Text (above 18pt) WCAG AA × Fail

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 39.8487, 57.7335, 80.9949 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

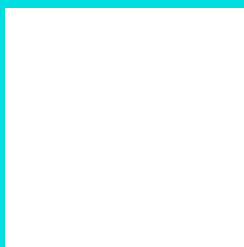
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8487, 57.7335, 80.9949

Background



This preview shows how black text looks on a background with the XYZ color 39.8487, 57.7335, 80.9949.

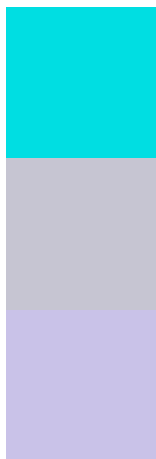


This preview shows how white text looks on a background with the XYZ color 39.8487, 57.7335,

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

39.8487, 57.7335, 80.9949

Protanopia

54.8878, 56.5914, 69.0031

Deuteranopia

57.9447, 56.8273, 84.2587



Tritanopia

41.7534, 57.7345, 89.8322

Trichromacy



Original Color

39.8487, 57.7335, 80.9949



Protanomaly

43.0702, 53.5361, 73.0292



Deuteranomaly

44.7779, 53.4881, 82.8271



Tritanomaly

41.0611, 57.8356, 86.8411

Monochromacy



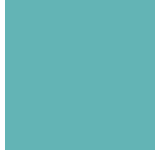
Original Color

39.8487, 57.7335, 80.9949



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.8073, 38.6314, 49.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8487, 57.7335, 80.9949 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 226) }
```

Border

The CSS property to change the border of an element to XYZ 39.8487, 57.7335, 80.9949 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, 226) }
```


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

```
.border{ border-color:rgb(0, 222, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8487, 57.7335, 80.9949 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, 226) }
```

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

```
.background{ background-color: rgb(0, 222,  
226) }
```

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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