

Converting Colors

XYZ(27.7108, 50.9316, 81.9724)

Have a look what the booklet for
XYZ(27.7108, 50.9316, 81.9724)
contains.

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Color

**XYZ(39.8600, 57.3143,
82.3607)**

Conversions

Conversions Part 1

Format	Color
Hex	00DDE4
RGB	0, 221, 228
RGB Percent	0%, 87%, 89%
CMY	0.9998, 0.1333, 0.1059
CMYK	1.00, 0.03, 0.00, 0.11
HSL	182°, 100%, 45%
HSV	182°, 100%, 89%
XYZ	39.8600, 57.3143, 82.3607
YIQ	155.7190, -133.9630, -44.6750

Conversions

Conversions Part 2

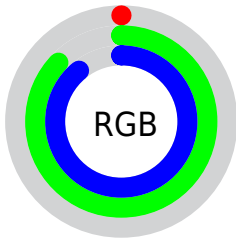
Format	Color
RYB	0, 112, 228
Decimal	56804
CIELab	80.36, -41.07, -16.10
CIELCh	80, 44.113, 201.402
Yxy	57.3143, 0.2220, 0.3192
Android (android.graphics.Color)	4278246884 (0xFF00DDE4)
YUV	155.7190, 35.6345, -136.5656
Hunter-Lab	75.7062, -38.5040, -11.5072

Details

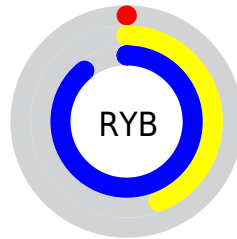
The XYZ color **39.8600, 57.3143, 82.3607** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.0723, 16.6475, 1.5245**, and the grayscale version is **31.3721, 33.0059, 35.9434**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.9980, 29.9274, 44.2050** is the 20% darker color. If you saturate the color by 10%, you get **39.8606, 57.3151, 82.3619**, and if you desaturate by 10%, it is **40.3964, 57.8670, 82.4402**.

Distribution



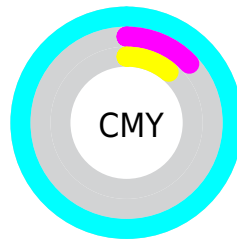
- Red (0%)
- Green (87%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8600, 57.3143, 82.3607 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 39.8600, 57.3143, 82.3607 by changing the saturation by 10% instead.


 39.8600, 57.3143,
82.3607


 39.8600, 57.3143,
82.3607

336.6777,
414.6260, 522.7685


 27.6131, 41.2576,
61.1254


 74.2360, 100.9236,
138.5209


 18.1732, 28.5205,
43.8951


 97.0958, 129.2451,
174.2829


 11.1748, 18.7184,
30.2515


 124.2240,
162.4236, 215.7241

 6.2527, 11.4669,
19.7759

 155.9859,
200.8436, 263.2632

 3.0415, 6.3818,
12.0498

 192.7468,
244.8895, 317.3186

 1.1757, 3.0786,
6.6546

234.8722,

 0.0871, 1.1729,

294.9455, 378.3090

3.1719

282.7274,
351.3962, 446.6527

■ 0.0000, 0.0394,
1.1831

■ 0.0000, 0.0000,
0.0000

■ 39.8600, 57.3143,
82.3607

■ 39.8600, 57.3143,
82.3607

■ 39.8606, 57.3151,
82.3619

■ 40.3964, 57.8670,
82.4402

■ 41.3436, 58.6314,
82.5378

■ 42.8350, 59.6774,
82.6611

■ 44.9464, 61.0443,
82.8137

■ 47.7418, 62.7650,
82.9984

■ 51.2772, 64.8682,
83.2181

■ 55.6027, 67.3800,
83.4749

■ 60.7643, 70.3238,
83.7711

■ 66.8040, 73.7216,
84.1086

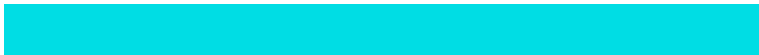
Harmonies

Analogous

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



39.0520, 57.3143, 55.2650



39.8600, 57.3143, 82.3607



44.3485, 57.3143, 109.8782

Triad

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



39.8600, 57.3143, 82.3607



69.1989, 57.3143, 98.8391



57.1119, 57.3143, 25.0279

Complementary

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



39.8600, 57.3143, 82.3607



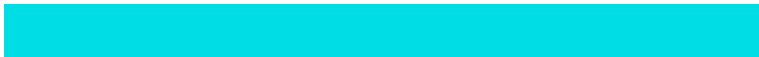
32.0723, 16.6475, 1.5245

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.



66.0376, 57.3143, 31.0584



39.8600, 57.3143, 82.3607



73.5040, 57.3143, 70.1361

Square

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



39.8600, 57.3143, 82.3607



61.0584, 57.3143, 121.0746



72.2873, 57.3143, 45.9659



48.3837, 57.3143, 26.6211

Rectangle

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



39.8600, 57.3143, 82.3607



49.1251, 57.3143, 122.3738



72.2873, 57.3143, 45.9659



60.2010, 57.3143, 26.1523

Sweetspot

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



39.8618, 57.3164, 82.3621



71.5403, 86.7748, 107.5864



27.7656, 55.4964, 9.3592



14.7809, 18.2663, 22.9967



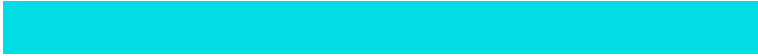
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.8618, 57.3164, 82.3621



51.3631, 73.8461, 106.1544



19.6053, 16.8035, 75.6099



14.7675, 16.2565, 18.5038



23.0335, 33.1292, 47.5637



1.7141, 2.4721, 3.5188

Inverse Universe

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



45.0475, 21.7161, 70.2261



58.0549, 27.9860, 90.4761



38.4539, 29.4108, 3.6517



14.9750, 14.6072, 18.0687



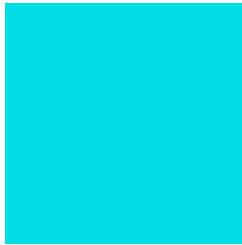
26.0198, 12.5421, 40.5946



1.9288, 0.9292, 3.0317

Previews

White Background



This preview shows how the XYZ color 39.8600, 57.3143, 82.3607 looks on a white background.

Color Contrast Check

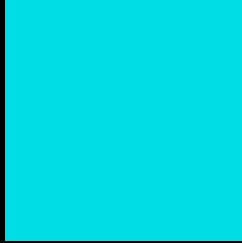
Large Text (above 18pt) WCAG AA × Fail

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 39.8600, 57.3143, 82.3607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

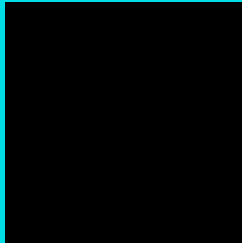
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

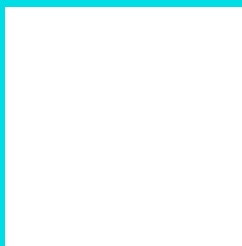
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8600, 57.3143, 82.3607

Background



This preview shows how black text looks on a background with the XYZ color 39.8600, 57.3143, 82.3607.

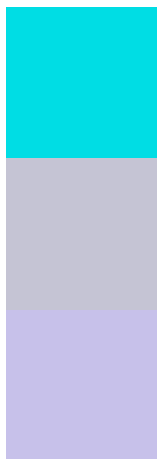


This preview shows how white text looks on a background with the XYZ color 39.8600, 57.3143,

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

39.8600, 57.3143, 82.3607

Protanopia

54.6496, 56.1036, 70.2361

Deuteranopia

57.4744, 56.2226, 85.6647



Tritanopia

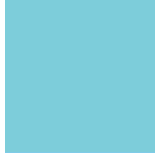
41.4749, 57.6079, 89.0542

Trichromacy



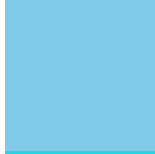
Original Color

39.8600, 57.3143, 82.3607



Protanomaly

42.9437, 53.0846, 74.3126



Deuteranomaly

44.6738, 53.0501, 84.2291



Tritanomaly

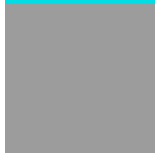
40.7330, 57.2756, 86.7504

Monochromacy



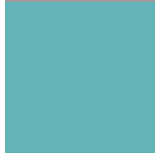
Original Color

39.8600, 57.3143, 82.3607



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 39.8600, 57.3143, 82.3607 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, 221, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 228)  
}
```

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, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 228) }
```

Border

The CSS property to change the border of an element to XYZ 39.8600, 57.3143, 82.3607 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, 221, 228) }
```


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

```
.border{ border-color:rgb(0, 221, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8600, 57.3143, 82.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 228) }
```

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

```
.background{ background-color: rgb(0, 221,  
228) }
```

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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