

Converting Colors

XYZ(39.4794, 56.7857, 81.5168)

Have a look what the booklet for
XYZ(39.4794, 56.7857, 81.5168)
contains.

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Color

**XYZ(39.4583, 56.7325,
81.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	00DCE3
RGB	0, 220, 227
RGB Percent	0%, 86%, 89%
CMY	0.9998, 0.1372, 0.1098
CMYK	1.00, 0.03, 0.00, 0.11
HSL	182°, 100%, 45%
HSV	182°, 100%, 89%
XYZ	39.4583, 56.7325, 81.5438
YIQ	155.0180, -133.3670, -44.4630

Conversions

Conversions Part 2

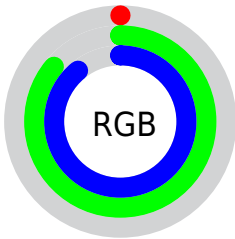
Format	Color
RYB	0, 112, 227
Decimal	56547
CIELab	80.03, -40.92, -16.06
CIELCh	80, 43.960, 201.424
Yxy	56.7325, 0.2220, 0.3192
Android (android.graphics.Color)	4278246627 (0xFF00DCE3)
YUV	155.0180, 35.4871, -135.9508
Hunter-Lab	75.3210, -38.3012, -11.4637

Details

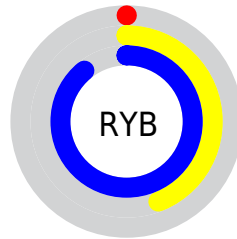
The XYZ color **39.4583, 56.7325, 81.5438** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7558, 16.4843, 1.5096**, and the grayscale version is **31.0617, 32.6793, 35.5878**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.7219, 29.5295, 43.6373** is the 20% darker color. If you saturate the color by 10%, you get **39.4589, 56.7334, 81.5450**, and if you desaturate by 10%, it is **39.9912, 57.2817, 81.6228**.

Distribution



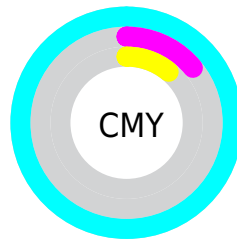
- Red (0%)
- Green (86%)
- Blue (89%)



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



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




- Cyan (100%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4583, 56.7325, 81.5438 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 39.4583, 56.7325, 81.5438 by changing the saturation by 10% instead.


 39.4583, 56.7325,
81.5438


 39.4583, 56.7325,
81.5438


335.0088,
412.4462, 519.9638


 27.2988, 40.7905,
60.4560


 73.6275, 100.0748,
137.3650

 17.9355, 28.1554,
43.3586


 96.3679, 128.2438,
172.9354


 11.0031, 18.4429,
29.8331


 123.3660,
161.2574, 214.1705

 6.1362, 11.2684,
19.4609

 154.9871,
199.4998, 261.4887

 2.9695, 6.2477,
11.8236

 191.5965,
243.3555, 315.3086

 1.1377, 2.9963,
6.5026

233.5598,

 0.0563, 1.1298,

293.2089, 376.0487

3.0794

281.2420,
349.4443, 444.1276

■ 0.0000, 0.0032,
1.1353

■ 0.0000, 0.0000,
0.0000

■ 39.4583, 56.7325,
81.5438

■ 39.4583, 56.7325,
81.5438

■ 39.4589, 56.7334,
81.5450

■ 39.9912, 57.2817,
81.6228

■ 40.9306, 58.0405,
81.7197

■ 42.4087, 59.0780,
81.8421

■ 44.5005, 60.4331,
81.9934

■ 47.2692, 62.1384,
82.1766

■ 50.7703, 64.2223,
82.3943

■ 55.0534, 66.7105,
82.6489

■ 60.1638, 69.6263,
82.9423

■ 66.1434, 72.9914,
83.2767

Harmonies

Analogous

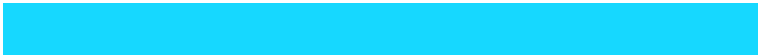
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.6558, 56.7325, 54.7214



39.4583, 56.7325, 81.5438



43.9034, 56.7325, 108.7754

Triad

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



39.4583, 56.7325, 81.5438



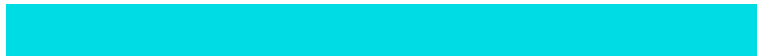
68.4999, 56.7325, 97.8129



56.5253, 56.7325, 24.7744

Complementary

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



39.4583, 56.7325, 81.5438



31.7558, 16.4843, 1.5096

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.



65.3606, 56.7325, 30.7377



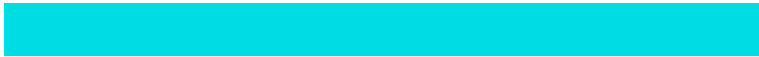
39.4583, 56.7325, 81.5438



72.7574, 56.7325, 69.4037

Square

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



39.4583, 56.7325, 81.5438



60.4446, 56.7325, 119.8295



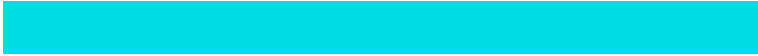
71.5492, 56.7325, 45.4863



47.8874, 56.7325, 26.3567

Rectangle

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



39.4583, 56.7325, 81.5438



48.6326, 56.7325, 121.1352



71.5492, 56.7325, 45.4863



59.5828, 56.7325, 25.8855

Sweetspot

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



39.4601, 56.7346, 81.5452



71.5371, 86.7684, 107.5853



27.4912, 54.9477, 9.2672



14.7801, 18.2647, 22.9964



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.



39.4601, 56.7346, 81.5452



51.3526, 73.8253, 106.1509



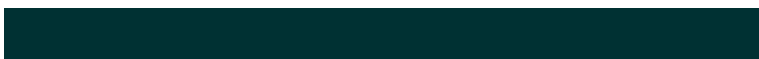
19.4145, 16.6434, 74.8633



14.7674, 16.2561, 18.5038



23.0290, 33.1200, 47.5622



1.7138, 2.4716, 3.5187

Inverse Universe

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



44.5983, 21.4998, 69.5117



58.0496, 27.9839, 90.4483



38.0768, 29.1262, 3.6166



14.9749, 14.6072, 18.0683



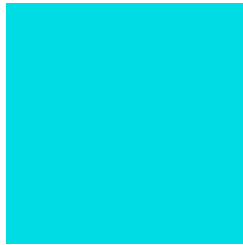
26.0175, 12.5412, 40.5824



1.9287, 0.9292, 3.0309

Previews

White Background



This preview shows how the XYZ color 39.4583, 56.7325, 81.5438 looks on a white background.

Color Contrast Check

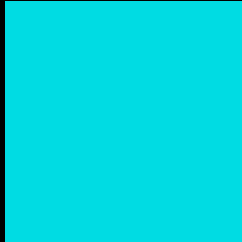
Large Text (above 18pt) WCAG AA × Fail

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 39.4583, 56.7325, 81.5438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

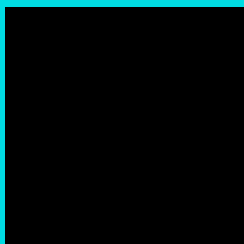
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

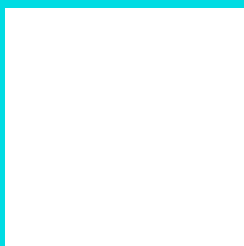
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4583, 56.7325, 81.5438

Background



This preview shows how black text looks on a background with the XYZ color 39.4583, 56.7325, 81.5438.

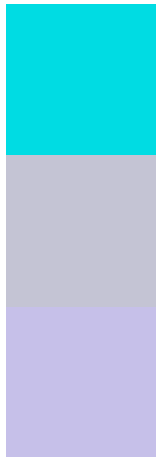


This preview shows how white text looks on a background with the XYZ color 39.4583, 56.7325,

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

39.4583, 56.7325, 81.5438

Protanopia

54.3885, 55.9691, 70.2239

Deuteranopia

56.8463, 55.5882, 84.8243



Tritanopia

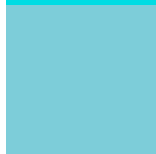
41.0675, 57.0262, 88.1996

Trichromacy



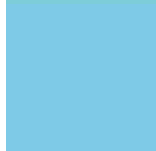
Original Color

39.4583, 56.7325, 81.5438



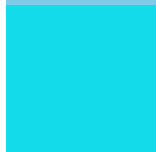
Protanomaly

42.8132, 53.0324, 73.6254



Deuteranomaly

44.1485, 52.4462, 83.3976



Tritanomaly

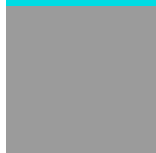
40.3280, 56.6950, 85.9085

Monochromacy



Original Color

39.4583, 56.7325, 81.5438



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.6062, 38.2290, 49.5346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4583, 56.7325, 81.5438 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, 220, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 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, 220, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 227) }
```

Border

The CSS property to change the border of an element to XYZ 39.4583, 56.7325, 81.5438 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, 220, 227) }
```


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

```
.border{ border-color:rgb(0, 220, 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, 220, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4583, 56.7325, 81.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 227) }
```

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

```
.background{ background-color: rgb(0, 220,  
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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