

Converting Colors

XYZ(40.0012, 56.2453, 85.8424)

Have a look what the booklet for
XYZ(40.0012, 56.2453, 85.8424)
contains.

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Color

**XYZ(39.9310, 56.1042,
85.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	0CDAE9
RGB	12, 218, 233
RGB Percent	5%, 85%, 91%
CMY	0.9527, 0.1451, 0.0863
CMYK	0.95, 0.06, 0.00, 0.09
HSL	184°, 90%, 48%
HSV	184°, 95%, 91%
XYZ	39.9310, 56.1042, 85.8154
YIQ	158.1160, -127.5910, -39.0070

Conversions

Conversions Part 2

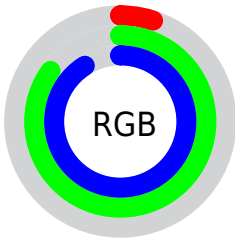
Format	Color
RYB	12, 119, 233
Decimal	842473
CIELab	79.67, -37.91, -19.79
CIELCh	80, 42.759, 207.567
Yxy	56.1042, 0.2196, 0.3085
Android (android.graphics.Color)	4279032553 (0xFF0CDAE9)
YUV	158.1160, 36.9178, -128.1437
Hunter-Lab	74.9027, -35.9206, -15.4961

Details

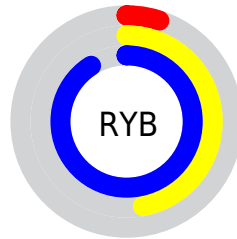
The XYZ color **39.9310, 56.1042, 85.8154** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.0645, 18.1368, 2.0549**, and the grayscale version is **32.4392, 34.1285, 37.1660**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.8561, 29.0150, 46.0962** is the 20% darker color. If you saturate the color by 10%, you get **39.5687, 55.6044, 85.7391**, and if you desaturate by 10%, it is **40.8977, 57.2155, 85.9800**.

Distribution



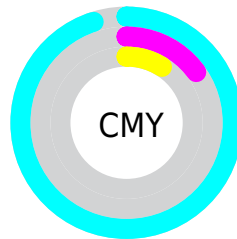
- Red (5%)
- Green (85%)
- Blue (91%)



- Red (5%)
- Yellow (47%)
- Blue (91%)



- Cyan (95%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (95%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9310, 56.1042, 85.8154 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 39.9310, 56.1042, 85.8154 by changing the saturation by 10% instead.


 39.9310, 56.1042,
85.8154


 39.9310, 56.1042,
85.8154


336.9721,
410.0841, 534.5371


 27.6687, 40.2865,
63.9613


 74.3434, 99.1569,
143.3961


 18.2153, 27.7620,
46.1734


 97.2243, 127.1607,
179.9598

 11.2053, 18.1463,
32.0330


 124.3754,
159.9953, 222.2638

 6.2734, 11.0551,
21.1217

 156.1621,
198.0450, 270.7267

 3.0543, 6.1039,
13.0209

 192.9498,
241.6944, 325.7669

 1.1825, 2.9084,
7.3120

235.1038,

 0.0925, 1.0841,

291.3278, 387.8030

3.5766

282.9894,
347.3295, 457.2536

■ 0.0000, 0.0000,
1.3961

■ 0.0000, 0.0000,
0.1386

■ 39.9310, 56.1042,
85.8154

■ 39.9310, 56.1042,
85.8154

■ 39.5687, 55.6044,
85.7391

■ 40.8977, 57.2155,
85.9800

■ 42.3918, 58.6034,
86.1692

■ 44.5043, 60.3159,
86.3884

■ 47.3081, 62.3907,
86.6411

■ 50.8661, 64.8601,
86.9302

■ 55.2339, 67.7529,
87.2583

■ 60.4620, 71.0951,
87.6279

■ 66.5967, 74.9105,
88.0410

■ 73.6809, 79.2214,
88.4997

Harmonies

Analogous

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



38.4102, 56.1042, 59.0930



39.9310, 56.1042, 85.8154



44.9146, 56.1042, 110.5957

Triad

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



39.9310, 56.1042, 85.8154



68.5866, 56.1042, 90.2726



54.0328, 56.1042, 24.8561

Complementary

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



39.9310, 56.1042, 85.8154



34.0645, 18.1368, 2.0549

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.



62.7256, 56.1042, 29.1249



39.9310, 56.1042, 85.8154



71.6742, 56.1042, 63.1273

Square

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



39.9310, 56.1042, 85.8154



61.3760, 56.1042, 113.6191



69.4229, 56.1042, 41.6351



46.0114, 56.1042, 27.9112

Rectangle

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



39.9310, 56.1042, 85.8154



49.8331, 56.1042, 120.2142



69.4229, 56.1042, 41.6351



56.9771, 56.1042, 25.4490

Sweetspot

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



39.9328, 56.1062, 85.8168



71.9547, 85.8275, 107.3817



29.4870, 58.4353, 10.7488



14.8107, 17.9925, 22.9422



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.



39.9328, 56.1062, 85.8168



48.5344, 68.1888, 105.2115



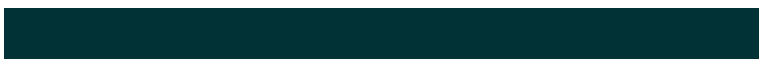
20.2018, 16.6443, 79.2398



15.4251, 16.9366, 19.3783



22.4890, 31.6250, 48.6619



1.7923, 2.5361, 3.8299

Inverse Universe

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



46.3922, 22.6502, 68.2586



56.6271, 27.4149, 82.9575



42.6537, 35.3151, 4.9179



15.6681, 15.2951, 18.8035



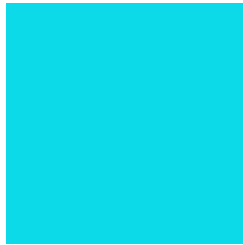
26.2067, 12.6854, 38.4854



2.0712, 1.0014, 3.0921

Previews

White Background



This preview shows how the XYZ color 39.9310, 56.1042, 85.8154 looks on a white background.

Color Contrast Check

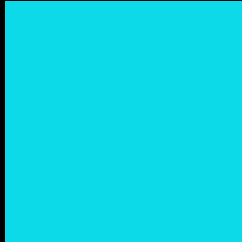
Large Text (above 18pt) WCAG AA × Fail

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 39.9310, 56.1042, 85.8154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

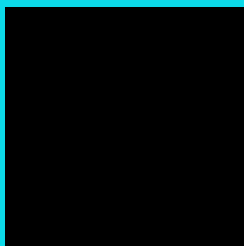
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

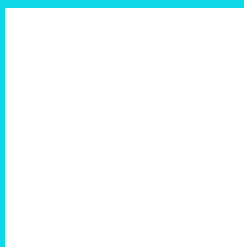
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9310, 56.1042, 85.8154

Background



This preview shows how black text looks on a background with the XYZ color 39.9310, 56.1042, 85.8154.

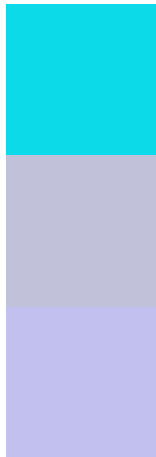


This preview shows how white text looks on a background with the XYZ color 39.9310, 56.1042,

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

39.9310, 56.1042, 85.8154

Protanopia

53.9390, 54.9830, 74.0996

Deuteranopia

56.4219, 55.2687, 89.3555



Tritanopia

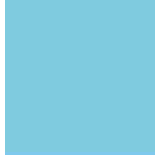
40.3553, 56.2897, 87.3353

Trichromacy



Original Color

39.9310, 56.1042, 85.8154



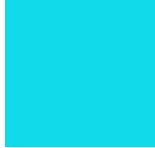
Protanomaly

43.4276, 52.5516, 77.6666



Deuteranomaly

44.9251, 52.3997, 87.8671



Tritanomaly

40.1539, 56.2025, 86.5737

Monochromacy



Original Color

39.9310, 56.1042, 85.8154



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.9039, 39.1486, 51.8266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9310, 56.1042, 85.8154 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(12, 218, 233)` looks like.

```
.text, #text, p{  
    color:rgb(12, 218, 233)  
}
```

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(12, 218, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 218, 233) }
```

Border

The CSS property to change the border of an element to XYZ 39.9310, 56.1042, 85.8154 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(12, 218, 233) }
```


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

```
.border{ border-color:rgb(12, 218, 233) }
```

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

Here you see how a box with a 4 pixel rgb(12, 218, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 218, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 218, 233);  
box-shadow:4px 4px 4px 4px rgb(12, 218,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9310, 56.1042, 85.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 218, 233) }
```

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

```
.background{ background-color: rgb(12, 218,  
233) }
```

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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