

Converting Colors

XYZ(39.7748, 54.6362, 88.8876)

Have a look what the booklet for
XYZ(39.7748, 54.6362, 88.8876)
contains.

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Color

**XYZ(39.8360, 54.8439,
88.6071)**

Conversions

Conversions Part 1

Format	Color
Hex	12D7ED
RGB	18, 215, 237
RGB Percent	7%, 84%, 93%
CMY	0.9292, 0.1569, 0.0706
CMYK	0.92, 0.09, 0.00, 0.07
HSL	186°, 86%, 50%
HSV	186°, 92%, 93%
XYZ	39.8360, 54.8439, 88.6071
YIQ	158.6050, -124.4740, -34.9220

Conversions

Conversions Part 2

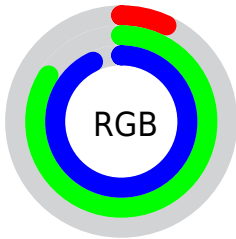
Format	Color
RYB	18, 122, 237
Decimal	1234925
CIELab	78.95, -35.09, -23.01
CIELCh	79, 41.965, 213.259
Yxy	54.8439, 0.2173, 0.2992
Android (android.graphics.Color)	4279425005 (0xFF12D7ED)
YUV	158.6050, 38.6487, -123.3106
Hunter-Lab	74.0567, -33.5818, -19.0995

Details

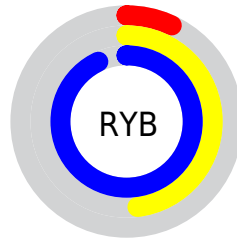
The XYZ color **39.8360, 54.8439, 88.6071** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.7954, 19.5692, 2.4649**, and the grayscale version is **32.6514, 34.3519, 37.4092**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **20.9113, 28.4778, 48.1107** is the 20% darker color. If you saturate the color by 10%, you get **39.1283, 53.7985, 88.4437**, and if you desaturate by 10%, it is **41.1427, 56.4253, 88.8445**.

Distribution



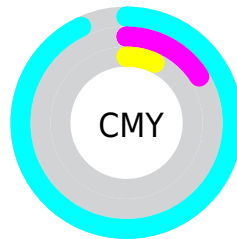
- Red (7%)
- Green (84%)
- Blue (93%)



- Red (7%)
- Yellow (48%)
- Blue (93%)



- Cyan (92%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)





- Cyan (93%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8360, 54.8439, 88.6071 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 39.8360, 54.8439, 88.6071 by changing the saturation by 10% instead.


 39.8360, 54.8439,
88.6071


 39.8360, 54.8439,
88.6071


336.5781,
405.3199, 543.9421


 27.5943, 39.2768,
66.2588


 74.1996, 97.3122,
147.3206


 18.1590, 26.9751,
48.0247


 97.0523, 124.9822,
184.5229


 11.1646, 17.5545,
33.4863


 124.1728,
157.4552, 227.5136

 6.2457, 10.6306,
22.2251

 155.9263,
195.1156, 276.7113

 3.0372, 5.8190,
13.8225

 192.6782,
238.3480, 332.5344

 1.1734, 2.7354,
7.8600

234.7939,

 0.0852, 0.9952,

287.5365, 395.4015

3.9190

282.6388,
343.0657, 465.7312

■ 0.0000, 0.0000,
1.5810

■ 0.0000, 0.0000,
0.2772

■ 39.8360, 54.8439,
88.6071

■ 39.8360, 54.8439,
88.6071

■ 39.1283, 53.7985,
88.4437

■ 41.1427, 56.4253,
88.8445

■ 43.0275, 58.3169,
89.1103

■ 45.5804, 60.5660,
89.4099

■ 48.8743, 63.2104,
89.7467

■ 52.9728, 66.2829,
90.1237

■ 57.9326, 69.8128,
90.5436

■ 63.8049, 73.8266,
91.0089

■ 70.6374, 78.3487,
91.5216

■ 78.4740, 83.4021,
92.0840

Harmonies

Analogous

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



37.7016, 54.8439, 62.3646



39.8360, 54.8439, 88.6071



45.2403, 54.8439, 110.8313

Triad

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



39.8360, 54.8439, 88.6071



67.7986, 54.8439, 82.8537



51.2212, 54.8439, 24.6003

Complementary

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



39.8360, 54.8439, 88.6071



35.7954, 19.5692, 2.4649

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.



59.6804, 54.8439, 27.3767



39.8360, 54.8439, 88.6071



69.8310, 54.8439, 57.1429

Square

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



39.8360, 54.8439, 88.6071



61.4251, 54.8439, 106.9351



66.7182, 54.8439, 37.9054



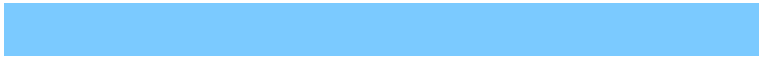
43.8189, 54.8439, 28.9584

Rectangle

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



39.8360, 54.8439, 88.6071



50.2679, 54.8439, 117.9151



66.7182, 54.8439, 37.9054



54.0324, 54.8439, 24.7352

Sweetspot

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



39.8378, 54.8459, 88.6084



71.2355, 84.3891, 107.1420



30.9169, 60.8510, 12.1183



14.6340, 17.6389, 22.8833



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.



39.8378, 54.8459, 88.6084



46.1746, 63.4692, 104.4249



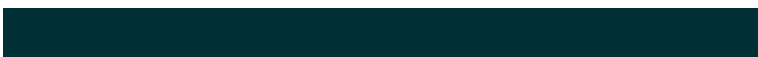
20.6524, 16.4752, 82.2133



15.3808, 16.8481, 19.3636



21.4179, 29.4829, 48.3049



1.7192, 2.3900, 3.8056

Inverse Universe

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



47.4087, 23.3453, 66.2993



55.4360, 26.9384, 76.6851



45.8490, 39.6764, 5.8161



15.6458, 15.2862, 18.6860



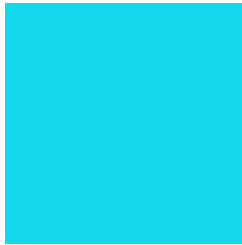
25.6661, 12.4691, 35.6385



2.0343, 0.9867, 2.8979

Previews

White Background



This preview shows how the XYZ color 39.8360, 54.8439, 88.6071 looks on a white background.

Color Contrast Check

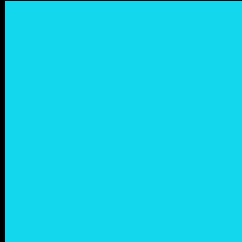
Large Text (above 18pt) WCAG AA × Fail

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 39.8360, 54.8439, 88.6071 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 39.8360, 54.8439, 88.6071

Background



This preview shows how black text looks on a background with the XYZ color 39.8360, 54.8439, 88.6071.

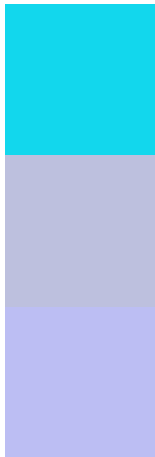


This preview shows how white text looks on a background with the XYZ color 39.8360, 54.8439,

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

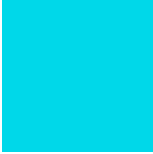
39.8360, 54.8439, 88.6071

Protanopia

53.0207, 53.7920, 76.6956

Deuteranopia

55.3302, 53.9893, 92.2988



Tritanopia

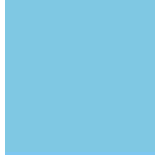
39.2638, 54.9949, 85.6365

Trichromacy



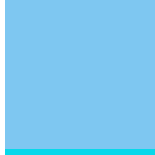
Original Color

39.8360, 54.8439, 88.6071



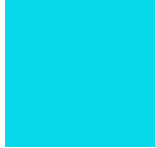
Protanomaly

43.2718, 51.3666, 80.3071



Deuteranomaly

44.9048, 51.6333, 90.8186



Tritanomaly

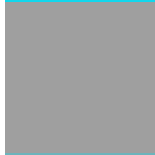
39.4948, 55.0974, 86.3952

Monochromacy



Original Color

39.8360, 54.8439, 88.6071



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.2741, 39.0162, 52.8963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8360, 54.8439, 88.6071 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(18, 215, 237)` looks like.

```
.text, #text, p{  
    color:rgb(18, 215, 237)  
}
```

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(18, 215, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 215, 237) }
```

Border

The CSS property to change the border of an element to XYZ 39.8360, 54.8439, 88.6071 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(18, 215, 237) }
```


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

```
.border{ border-color:rgb(18, 215, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 215, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 215, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 215, 237);  
box-shadow:4px 4px 4px 4px rgb(18, 215,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8360, 54.8439, 88.6071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 215, 237) }
```

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

```
.background{ background-color: rgb(18, 215,  
237) }
```

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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