

Converting Colors

XYZ(15.1831, 42.3109, 84.7859)

Have a look what the booklet for
XYZ(15.1831, 42.3109, 84.7859)
contains.

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Color

**XYZ(39.0084, 54.4841,
85.5513)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7E9
RGB	0, 215, 233
RGB Percent	0%, 84%, 91%
CMY	0.9998, 0.1569, 0.0863
CMYK	1.00, 0.08, 0.00, 0.09
HSL	185°, 100%, 46%
HSV	185°, 100%, 91%
XYZ	39.0084, 54.4841, 85.5513
YIQ	152.7670, -133.9180, -39.9820

Conversions

Conversions Part 2

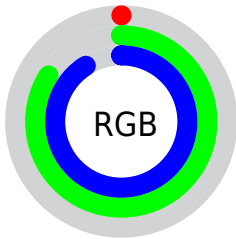
Format	Color
RYB	0, 112, 233
Decimal	55273
CIELab	78.74, -36.80, -21.20
CIELCh	79, 42.474, 209.945
Yxy	54.4841, 0.2179, 0.3043
Android (android.graphics.Color)	4278245353 (0xFF00D7E9)
YUV	152.7670, 39.5549, -133.9767
Hunter-Lab	73.8133, -34.8408, -17.0491

Details

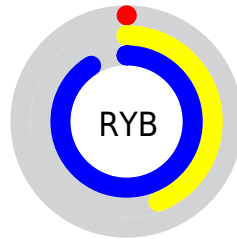
The XYZ color **39.0084, 54.4841, 85.5513** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.8223, 17.7585, 1.6468**, and the grayscale version is **30.0606, 31.6261, 34.4408**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.5066, 28.3159, 45.9797** is the 20% darker color. If you saturate the color by 10%, you get **39.0082, 54.4834, 85.5522**, and if you desaturate by 10%, it is **39.8320, 55.5941, 85.7232**.

Distribution



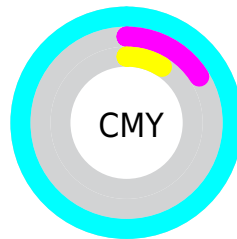
- Red (0%)
- Green (84%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0084, 54.4841, 85.5513 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 39.0084, 54.4841, 85.5513 by changing the saturation by 10% instead.


 39.0084, 54.4841,
85.5513


 39.0084, 54.4841,
85.5513


333.1328,
403.9533, 533.6426


 26.9470, 38.9888,
63.7442


 72.9451, 96.7847,
143.0242


 17.6698, 26.7510,
45.9987


 95.5512, 124.3588,
179.5270


 10.8114, 17.3863,
31.8961


 122.4029,
156.7279, 221.7656

 6.0065, 10.5103,
21.0180

 153.8655,
194.2765, 270.1584

 2.8898, 5.7386,
12.9458

 190.3045,
237.3890, 325.1240

 1.0957, 2.6868,
7.2609

232.0851,

 0.0215, 0.9705,

286.4496, 387.0808

3.5449

279.5727,
341.8430, 456.4475

■ 0.0000, 0.0000,
1.3792

■ 0.0000, 0.0000,
0.1254

■ 39.0084, 54.4841,
85.5513

■ 39.0084, 54.4841,
85.5513

■ 39.0082, 54.4834,
85.5522

■ 39.8320, 55.5941,
85.7232

■ 41.0930, 56.9360,
85.9157

■ 42.9304, 58.5825,
86.1367

■ 45.4242, 60.5751,
86.3899

■ 48.6421, 62.9484,
86.6784

■ 52.6430, 65.7331,
87.0050

■ 57.4800, 68.9564,
87.3722

■ 63.2014, 72.6433,
87.7823

■ 69.8517, 76.8167,
88.2373

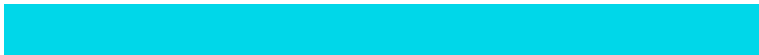
Harmonies

Analogous

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



37.2497, 54.4841, 59.2798



39.0084, 54.4841, 85.5513



44.1073, 54.4841, 109.0681

Triad

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



39.0084, 54.4841, 85.5513



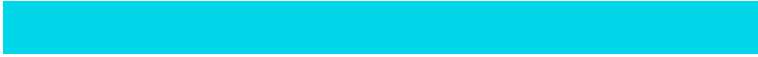
67.0679, 54.4841, 85.6489



51.8009, 54.4841, 24.0379

Complementary

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



39.0084, 54.4841, 85.5513



33.8223, 17.7585, 1.6468

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.



60.3067, 54.4841, 27.6083



39.0084, 54.4841, 85.5513



69.6824, 54.4841, 59.3681

Square

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



39.0084, 54.4841, 85.5513



60.2772, 54.4841, 109.1344



67.0862, 54.4841, 39.0929



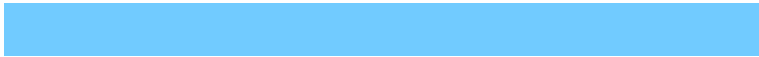
44.1313, 54.4841, 27.5819

Rectangle

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



39.0084, 54.4841, 85.5513



49.0154, 54.4841, 117.5498



67.0862, 54.4841, 39.0929



54.6580, 54.4841, 24.4292

Sweetspot

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



39.0101, 54.4861, 85.5526



70.4283, 84.5508, 107.2157



29.2305, 58.3152, 10.1896



14.5103, 17.7250, 22.9064



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.



39.0101, 54.4861, 85.5526



47.8436, 66.8071, 104.9812



19.3626, 15.1911, 79.0035



15.4123, 16.9111, 19.3741



22.1755, 30.9981, 48.5574



1.7710, 2.4934, 3.8228

Inverse Universe

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



45.8715, 22.2316, 66.1655



56.2784, 27.2754, 81.1212



41.8644, 33.8427, 4.3275



15.6617, 15.2925, 18.7696



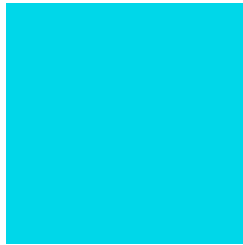
26.0485, 12.6221, 37.6523



2.0604, 0.9971, 3.0354

Previews

White Background



This preview shows how the XYZ color 39.0084, 54.4841, 85.5513 looks on a white background.

Color Contrast Check

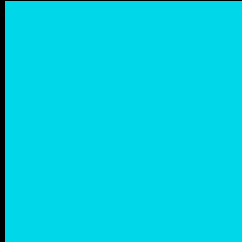
Large Text (above 18pt) WCAG AA × Fail

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 39.0084, 54.4841, 85.5513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

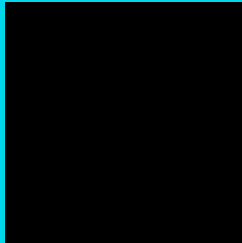
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0084, 54.4841, 85.5513

Background



This preview shows how black text looks on a background with the XYZ color 39.0084, 54.4841, 85.5513.



This preview shows how white text looks on a background with the XYZ color 39.0084, 54.4841,

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

39.0084, 54.4841, 85.5513

Protanopia

52.4908, 53.5800, 73.9051

Deuteranopia

54.7638, 53.4460, 89.0911



Tritanopia

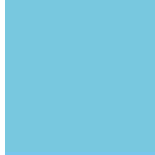
39.0084, 54.4841, 85.5513

Trichromacy



Original Color

39.0084, 54.4841, 85.5513



Protanomaly

41.7193, 50.6293, 77.3856



Deuteranomaly

43.2259, 50.4957, 87.5892



Tritanomaly

39.0084, 54.4841, 85.5513

Monochromacy



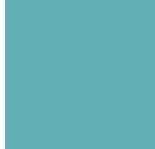
Original Color

39.0084, 54.4841, 85.5513



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.8986, 36.9695, 49.8687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0084, 54.4841, 85.5513 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, 215, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 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(0, 215, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 233) }
```

Border

The CSS property to change the border of an element to XYZ 39.0084, 54.4841, 85.5513 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, 215, 233) }
```


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

```
.border{ border-color:rgb(0, 215, 233) }
```

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

Here you see how a box with a 4 pixel rgb(0, 215, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0084, 54.4841, 85.5513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 233) }
```

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

```
.background{ background-color: rgb(0, 215,  
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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