

Converting Colors

XYZ(39.0388, 50.7430, 89.3330)

Have a look what the booklet for
XYZ(39.0388, 50.7430, 89.3330)
contains.

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Color

**XYZ(39.0422, 50.7354,
89.3965)**

Conversions

Conversions Part 1

Format	Color
Hex	38CDEF
RGB	56, 205, 239
RGB Percent	22%, 80%, 94%
CMY	0.7803, 0.1961, 0.0627
CMYK	0.77, 0.14, 0.00, 0.06
HSL	191°, 85%, 58%
HSV	191°, 77%, 94%
XYZ	39.0422, 50.7354, 89.3965
YIQ	164.3250, -99.7180, -21.0140

Conversions

Conversions Part 2

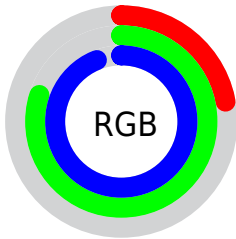
Format	Color
RYB	56, 138, 239
Decimal	3722735
CIELab	76.52, -27.11, -27.76
CIELCh	77, 38.801, 225.684
Yxy	50.7354, 0.2179, 0.2832
Android (android.graphics.Color)	4281912815 (0xFF38CDEF)
YUV	164.3250, 36.8148, -95.0010
Hunter-Lab	71.2288, -26.8103, -24.5524

Details

The XYZ color **39.0422, 50.7354, 89.3965** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.9684, 25.9511, 6.6458**, and the grayscale version is **35.3081, 37.1469, 40.4529**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **19.4536, 25.2316, 48.6446** is the 20% darker color. If you saturate the color by 10%, you get **36.9641, 48.1104, 89.0003**, and if you desaturate by 10%, it is **41.7906, 53.7526, 89.8350**.

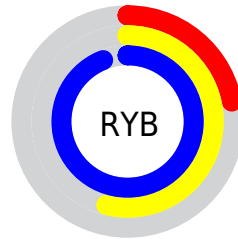
Distribution



Red (22%)

Green (80%)

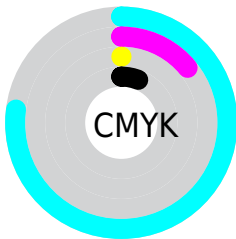
Blue (94%)



Red (22%)

Yellow (54%)

Blue (94%)

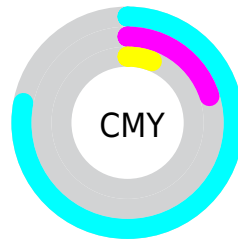


Cyan (77%)

Magenta (14%)

Yellow (0%)

Black (6%)



Cyan (78%)

Magenta (20%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0422, 50.7354, 89.3965 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 39.0422, 50.7354, 89.3965 by changing the saturation by 10% instead.

39.0422, 50.7354,
89.3965

39.0422, 50.7354,
89.3965

333.2739,
389.5349, 546.5851

26.9734, 35.9981,
66.9093

72.9964, 91.2635,
148.4280

17.6898, 24.4327,
48.5498

95.6126, 117.8231,
185.8094

10.8258, 15.6549,
33.8994

122.4753,
149.0923, 228.9927

6.0163, 9.2803,
22.5396

153.9499,
185.4553, 278.3962

2.8957, 4.9245,
14.0518

190.4017,
227.2967, 334.4388

1.0989, 2.2030,
8.0176

232.1960,

0.0242, 0.7216,

275.0009, 397.5387

4.0183

279.6983,
328.9521, 468.1146

■ 0.0000, 0.0000,
1.6354

■ 0.0000, 0.0000,
0.3159

■ 39.0422, 50.7354,
89.3965

■ 39.0422, 50.7354,
89.3965

■ 36.9641, 48.1104,
89.0003

■ 41.7906, 53.7526,
89.8350


■ 35.4504, 45.8198,
88.6380

■ 45.2848, 57.1985,
90.3160


■ 35.0047, 45.0812,
88.5189


■ 49.5951, 61.1105,
90.8439


■ 54.7821, 65.5203,
91.4217

 60.9006, 70.4565,
92.0520

 68.0009, 75.9454,
92.7372

 76.1294, 82.0111,
93.4796

 85.3296, 88.6766,
94.2813

 89.4629, 92.7775,
94.8550

Harmonies

Analogous

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



35.9006, 50.7354, 66.8722



39.0422, 50.7354, 89.3965



44.8250, 50.7354, 104.2318

Triad

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



39.0422, 50.7354, 89.3965



63.1874, 50.7354, 65.8217



44.5165, 50.7354, 24.8107

Complementary

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



39.0422, 50.7354, 89.3965



39.9684, 25.9511, 6.6458

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.



51.7874, 50.7354, 24.6649



39.0422, 50.7354, 89.3965



63.0833, 50.7354, 45.0455

Square

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



39.0422, 50.7354, 89.3965



59.0111, 50.7354, 88.4616



58.7396, 50.7354, 31.1277



38.8361, 50.7354, 31.5944

Rectangle

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



39.0422, 50.7354, 89.3965



49.6301, 50.7354, 105.8489



58.7396, 50.7354, 31.1277



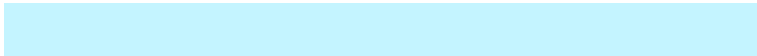
46.8418, 50.7354, 24.0545

Sweetspot

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



39.0439, 50.7372, 89.3977



73.2878, 83.7661, 106.9135



34.3254, 63.3056, 19.9855



15.0783, 17.4528, 22.8240



0.0000, 0.0000, 0.0000



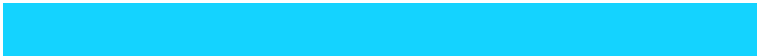
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0439, 50.7372, 89.3977



41.7434, 54.1664, 102.8628



23.2247, 19.0989, 84.1247



15.9831, 17.4004, 20.2378



19.4346, 25.0935, 48.9471



1.6807, 2.2153, 4.0932

Inverse Universe

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



48.0317, 25.5886, 60.1669



53.3069, 26.4984, 64.2042



52.8463, 51.7069, 10.9384



16.3209, 15.9781, 19.2463



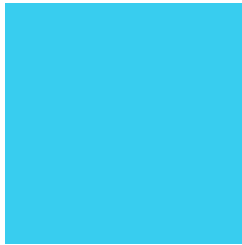
25.1353, 12.3266, 29.6928



2.1233, 1.0384, 2.6400

Previews

White Background



This preview shows how the XYZ color 39.0422, 50.7354, 89.3965 looks on a white background.

Color Contrast Check

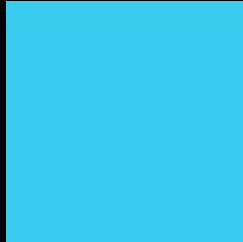
Large Text (above 18pt) WCAG AA × Fail

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 39.0422, 50.7354, 89.3965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

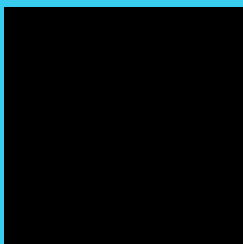
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

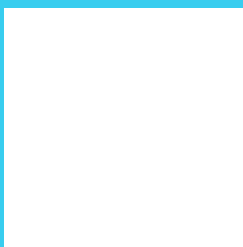
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.0422, 50.7354, 89.3965

Background



This preview shows how black text looks on a background with the XYZ color 39.0422, 50.7354, 89.3965.

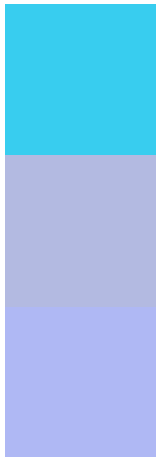


This preview shows how white text looks on a background with the XYZ color 39.0422, 50.7354,

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

39.0422, 50.7354, 89.3965

Protanopia

49.7399, 50.1378, 78.2901

Deuteranopia

51.1488, 49.9266, 92.5289



Tritanopia

36.7222, 50.4997, 78.3330

Trichromacy



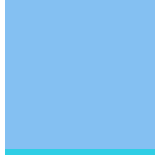
Original Color

39.0422, 50.7354, 89.3965



Protanomaly

43.1844, 48.9214, 82.0296



Deuteranomaly

44.3924, 49.0156, 91.1256



Tritanomaly

37.3865, 50.4041, 81.8872

Monochromacy



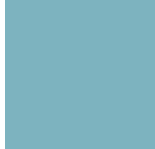
Original Color

39.0422, 50.7354, 89.3965



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.9815, 40.3618, 55.2898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0422, 50.7354, 89.3965 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(56, 205, 239)` looks like.

```
.text, #text, p{  
    color:rgb(56, 205, 239)  
}
```

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(56, 205, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 205, 239) }
```

Border

The CSS property to change the border of an element to XYZ 39.0422, 50.7354, 89.3965 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(56, 205, 239) }
```


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

```
.border{ border-color:rgb(56, 205, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 205, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 205, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 205, 239);  
box-shadow:4px 4px 4px 4px rgb(56, 205,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0422, 50.7354, 89.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 205, 239) }
```

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

```
.background{ background-color: rgb(56, 205,  
239) }
```

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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