

Converting Colors

CIELCh(80, 39.745, 211.030)

Have a look what the booklet for
CIELCh(80, 39.745, 211.030)
contains.

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Color

CIELCh(80, 39.715, 211.037)

Conversions

Conversions Part 1

Format	Color
Hex	3AD9EB
RGB	58, 217, 235
RGB Percent	23%, 85%, 92%
CMY	0.7745, 0.1478, 0.0772
CMYK	0.76, 0.08, 0.00, 0.08
HSL	186°, 82%, 57%
HSV	186°, 76%, 92%
XYZ	41.6456, 56.6813, 87.5723
YIQ	171.5110, -100.5420, -28.1100

Conversions

Conversions Part 2

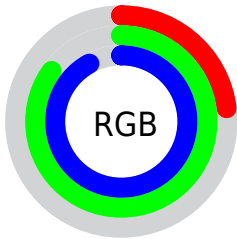
Format	Color
RYB	58, 142, 235
Decimal	3856875
CIELab	80.00, -34.03, -20.48
CIELCh	80, 39.715, 211.037
Yxy	56.6813, 0.2240, 0.3049
Android (android.graphics.Color)	4282046955 (0xFF3AD9EB)
YUV	171.5110, 31.3001, -99.5491
Hunter-Lab	75.2870, -33.0134, -16.2640

Details

The CIELCh color **80, 39.715, 211.037** 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 **55, 75.265, 36.644**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **61, 34.364, 213.144** is the 20% darker color. If you saturate the color by 10%, you get **79, 41.210, 212.322**, and if you desaturate by 10%, it is **81, 37.233, 210.064**.

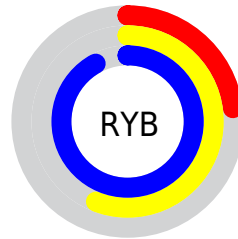
Distribution



Red (23%)

Green (85%)

Blue (92%)



Red (23%)

Yellow (56%)

Blue (92%)

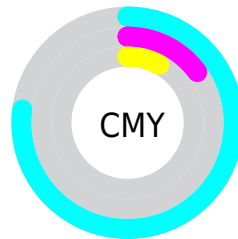


Cyan (76%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (77%)


Magenta (15%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 39.715, 211.037 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 CIELCh color 80, 39.715, 211.037 by changing the saturation by 10% instead.


 80, 39.715,
211.037


 80, 39.715,
211.037


 100, 39.715,
211.037


 70, 39.715,
211.037

 60, 39.715,
211.037

 50, 39.715,
211.037

 40, 39.715,
211.037

 30, 39.715,
211.037

 20, 39.715,
211.037

 10, 39.715,

211.037

■ 0, 39.715, 211.037

■ 80, 39.715,
211.037

■ 80, 39.715,
211.037

■ 79, 41.210,
212.322

■ 81, 37.233,
210.064

■ 78, 41.816,
213.953

■ 83, 33.753,
209.367

■ 78, 41.912,
214.757

■ 84, 29.320,
208.903

■ 86, 24.026,
208.635

■ 88, 17.984,
208.531

■ 90, 11.320,
208.566

■ 92, 4.156, 208.779

■ 94, 3.395, 28.640

■ 96, 6.098, 36.416

Harmonies

Complementary

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



80, 39.715, 211.037



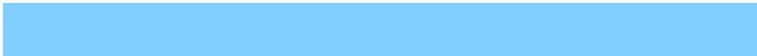
55, 75.265, 36.644

Rectangle

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



80, 39.715, 211.037



80, 39.715, 261.037



80, 39.715, 31.037



80, 39.715, 81.037

Sweetspot

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



80, 39.714, 211.036



95, 17.427, 208.527



82, 96.315, 139.589



50, 11.904, 208.535



0, 0.000, 0.000



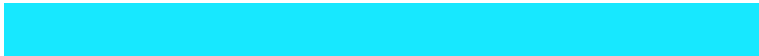
53, 0.007, 296.813

Same Dimension

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



80, 39.714, 211.036



84, 44.275, 213.232



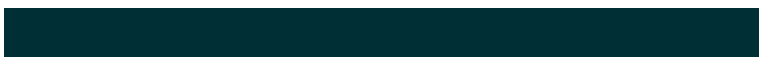
55, 61.902, 283.386



48, 4.195, 208.661



61, 34.485, 214.413



17, 14.947, 211.480

Inverse Universe

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



58, 92.484, 331.597



60, 105.479, 332.376



73, 64.931, 74.615



46, 7.890, 327.835



42, 82.551, 332.715



9, 35.762, 331.996

Previews

White Background



This preview shows how the CIELCh color 80, 39.715, 211.037 looks on a white background.

Color Contrast Check

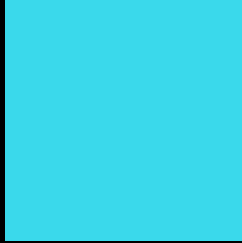
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 80, 39.715, 211.037 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](#).

CIELCh 80, 39.715, 211.037

Background



This preview shows how black text looks on a background with the CIELCh color 80, 39.715, 211.037.

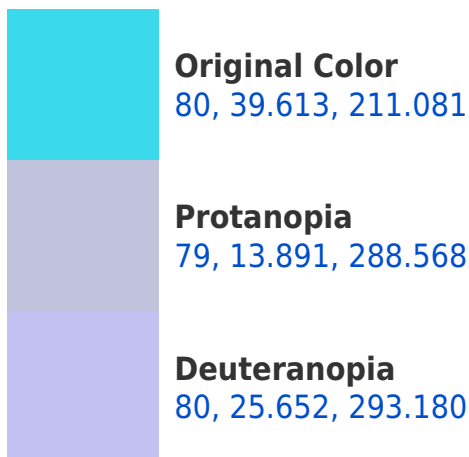


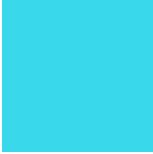
This preview shows how white text looks on a background with the CIELCh color 80, 39.715, 211.037.

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



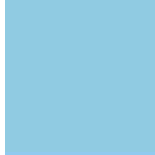


Tritanopia
80, 39.715, 211.037

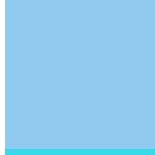
Trichromacy



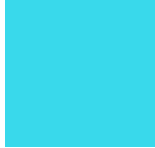
Original Color
80, 39.613, 211.081



Protanomaly
79, 21.910, 232.711



Deuteranomaly
79, 25.944, 248.660

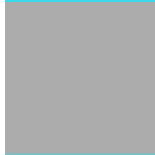


Tritanomaly
80, 39.715, 211.037

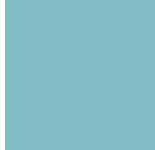
Monochromacy



Original Color
80, 39.613, 211.081



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 19.451, 209.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 39.715, 211.037 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(58, 217, 235)` looks like.

```
.text, #text, p{  
    color:rgb(58, 217, 235)  
}
```

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(58, 217, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 217, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 39.715, 211.037 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(58, 217, 235) }
```

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

```
.border{ border-color:rgb(58, 217, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 217, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 217, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 217, 235);  
box-shadow:4px 4px 4px 4px rgb(58, 217,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 39.715, 211.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 217, 235) }
```

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

```
.background{ background-color: rgb(58, 217,  
235) }
```

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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