

Converting Colors

CIELCh(79, 35.921, 212.286)

Have a look what the booklet for
CIELCh(79, 35.921, 212.286)
contains.

CIELCh(79, 35.985, 211.882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 35.985, 211.882)

Conversions

Conversions Part 1

Format	Color
Hex	51D5E6
RGB	81, 213, 230
RGB Percent	32%, 84%, 90%
CMY	0.6833, 0.1655, 0.0988
CMYK	0.65, 0.07, 0.00, 0.10
HSL	187°, 75%, 61%
HSV	187°, 65%, 90%
XYZ	41.3708, 54.9284, 83.1370
YIQ	175.4700, -84.1290, -22.6970

Conversions

Conversions Part 2

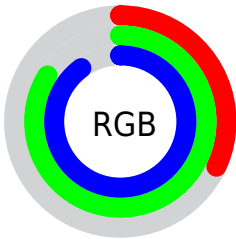
Format	Color
R _Y B	81, 151, 230
Decimal	5363174
CIE Lab	79.00, -30.56, -19.01
CIE LCh	79, 35.985, 211.882
Yxy	54.9284, 0.2306, 0.3061
Android (android.graphics.Color)	4283553254 (0xFF51D5E6)
YUV	175.4700, 26.8833, -82.8502
Hunter-Lab	74.1137, -30.0591, -14.6289

Details

The CIELCh color **79, 35.985, 211.882** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 61.381, 35.152**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **59, 33.739, 212.509** is the 20% darker color. If you saturate the color by 10%, you get **78, 38.481, 212.997**, and if you desaturate by 10%, it is **80, 32.522, 211.066**.

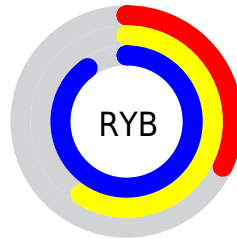
Distribution



Red (32%)

Green (84%)

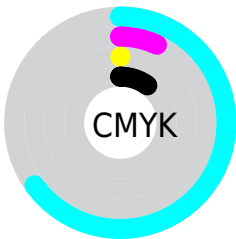
Blue (90%)



Red (32%)

Yellow (59%)

Blue (90%)

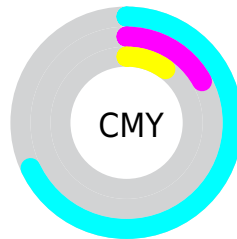


Cyan (65%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (68%)


Magenta (17%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 35.985, 211.882 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 79, 35.985, 211.882 by changing the saturation by 10% instead.


 79, 35.985,
211.882

 79, 35.985,
211.882


 100, 35.985,
211.882


 69, 35.985,
211.882


 99, 35.985,
211.882

 59, 35.985,
211.882

 49, 35.985,
211.882

 39, 35.985,
211.882

 29, 35.985,
211.882

 19, 35.985,
211.882

 9, 35.985, 211.882

■ 0, 35.985, 211.882

■ 79, 35.985,
211.882

■ 79, 35.985,
211.882

■ 78, 38.481,
212.997

■ 80, 32.522,
211.066

■ 77, 40.021,
214.463

■ 82, 28.144,
210.506

■ 76, 40.693,
216.316

■ 84, 22.941,
210.159

■ 75, 40.824,
217.384

■ 86, 17.024,
209.986

■ 88, 10.515,
209.965

■ 90, 3.532, 210.145

■ 92, 3.820, 29.958

■ 94, 7.965, 34.599

■ 95, 7.541, 46.256

Harmonies

Complementary

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



79, 35.985, 211.882



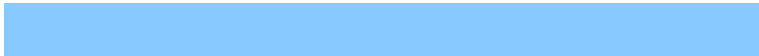
58, 61.381, 35.152

Rectangle

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



79, 35.985, 211.882



79, 35.985, 261.882



79, 35.985, 31.882



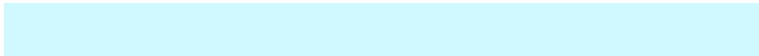
79, 35.985, 81.882

Sweetspot

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



79, 35.984, 211.881



95, 14.440, 209.956



81, 84.300, 141.071



50, 9.843, 209.965



0, 0.000, 0.000



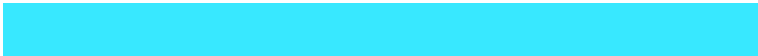
53, 0.007, 296.813

Same Dimension

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



79, 35.984, 211.881



85, 42.345, 213.481



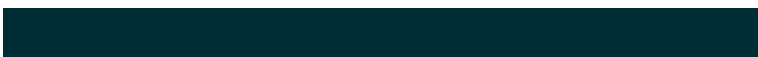
58, 51.796, 279.507



47, 4.077, 210.020



60, 33.832, 216.995



16, 14.373, 213.438

Inverse Universe

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



59, 81.734, 331.519



62, 99.209, 332.263



74, 54.959, 76.428



45, 7.680, 328.230



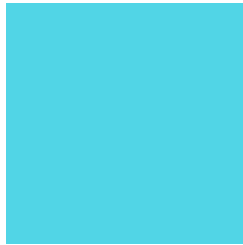
41, 80.883, 333.349



8, 34.410, 332.476

Previews

White Background



This preview shows how the CIE LCh color 79, 35.985, 211.882 looks on a white background.

Color Contrast Check

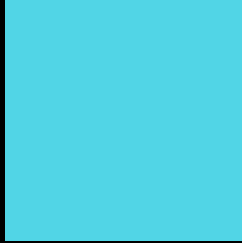
Large Text (above 18pt) WCAG AA × Fail

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 79, 35.985, 211.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

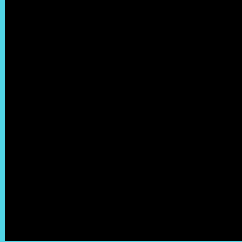
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 35.985, 211.882

Background



This preview shows how black text looks on a background with the CIELCh color 79, 35.985, 211.882.

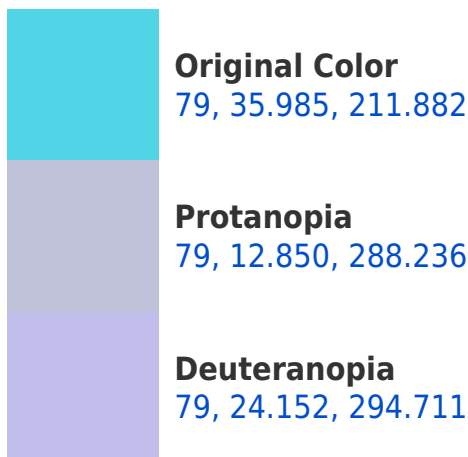


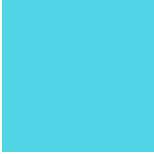
This preview shows how white text looks on a background with the CIELCh color 79, 35.985, 211.882.

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
79, 35.985, 211.882

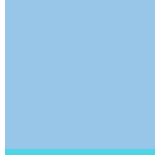
Trichromacy



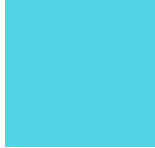
Original Color
79, 35.985, 211.882



Protanomaly
78, 19.375, 236.202



Deuteranomaly
78, 23.203, 253.117

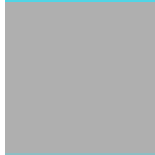


Tritanomaly
79, 35.985, 211.882

Monochromacy



Original Color
79, 35.985, 211.882



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 16.479, 209.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 35.985, 211.882 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(81, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(81, 213, 230)  
}
```

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(81, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 213, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 35.985, 211.882 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(81, 213, 230) }
```

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

```
.border{ border-color:rgb(81, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(81, 213,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 35.985, 211.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 213, 230) }
```

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

```
.background{ background-color: rgb(81, 213,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor