

Converting Colors

CIELCh(85, 39.588, 196.729)

Have a look what the booklet for
CIELCh(85, 39.588, 196.729)
contains.

CIELCh(85, 39.692, 196.053)	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(85, 39.692, 196.053)

Conversions

Conversions Part 1

Format	Color
Hex	59E9E8
RGB	89, 233, 232
RGB Percent	35%, 91%, 91%
CMY	0.6525, 0.0875, 0.0914
CMYK	0.62, 0.00, 0.00, 0.09
HSL	180°, 76%, 63%
HSV	180°, 62%, 91%
XYZ	47.6495, 66.0070, 86.3349
YIQ	189.8300, -85.5030, -30.8390

Conversions

Conversions Part 2

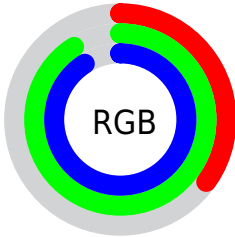
Format	Color
RYB	89, 161, 233
Decimal	5892584
CIELab	85.00, -38.14, -10.98
CIELCh	85, 39.692, 196.053
Yxy	66.0070, 0.2383, 0.3300
Android (android.graphics.Color)	4284082664 (0xFF59E9E8)
YUV	189.8300, 20.7898, -88.4279
Hunter-Lab	81.2447, -37.4892, -6.1334

Details

The CIELCh color **85, 39.692, 196.053** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **57, 63.002, 27.654**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.907, 197.515**, and **65, 38.262, 195.526** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.963, 195.789**, and if you desaturate by 10%, it is **86, 35.393, 196.371**.

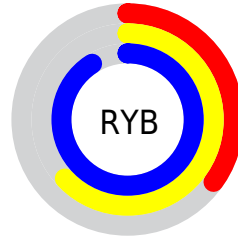
Distribution



Red (35%)

Green (91%)

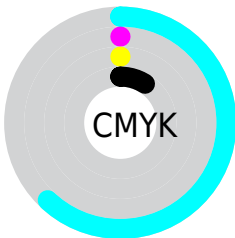
Blue (91%)



Red (35%)

Yellow (63%)

Blue (91%)

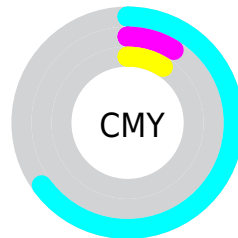


Cyan (62%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (65%)


Magenta (9%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 39.692, 196.053 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 85, 39.692, 196.053 by changing the saturation by 10% instead.


 85, 39.692,
196.053


 85, 39.692,
196.053


 100, 39.692,
196.053


 75, 39.692,
196.053

 65, 39.692,
196.053

 55, 39.692,
196.053

 45, 39.692,
196.053

 35, 39.692,
196.053

 25, 39.692,
196.053

 15, 39.692,

196.053

■ 5, 39.692, 196.053

■ 0, 39.692, 196.053

■ 85, 39.692,
196.053

■ 85, 39.692,
196.053

■ 84, 42.963,
195.789

■ 86, 35.393,
196.371

■ 84, 45.206,
195.581

■ 87, 30.122,
196.748

■ 84, 46.492,
195.419

■ 88, 23.977,
197.182

■ 84, 46.999,
195.313

■ 89, 17.081,
197.672

■ 90, 9.569, 198.223

■ 92, 1.575, 199.110

■ 94, 6.779, 19.216

■ 94, 8.063, 18.824

■ 94, 8.063, 18.238

Harmonies

Complementary

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



85, 39.692, 196.053



57, 63.002, 27.654

Rectangle

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



85, 39.692, 196.053



85, 39.692, 246.053



85, 39.692, 16.053



85, 39.692, 66.053

Sweetspot

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



85, 39.692, 196.051



97, 16.096, 197.820



82, 86.835, 138.697



51, 10.975, 197.669



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 39.692, 196.051



92, 46.736, 195.734



65, 42.017, 266.861



48, 4.622, 198.372



67, 38.947, 195.330



19, 16.665, 195.484

Inverse Universe

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



57, 63.002, 27.654



58, 82.231, 31.670



71, 51.410, 65.951



46, 4.904, 19.376



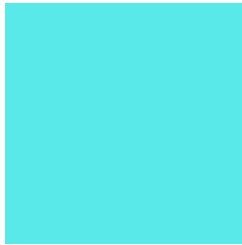
38, 80.532, 39.702



7, 28.505, 22.435

Previews

White Background



This preview shows how the CIE LCh color 85, 39.692, 196.053 looks on a white background.

Color Contrast Check

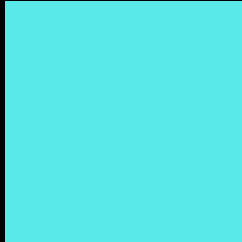
Large Text (above 18pt) WCAG AA × Fail

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 85, 39.692, 196.053 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 85, 39.692, 196.053

Background



This preview shows how black text looks on a background with the CIELCh color 85, 39.692, 196.053.

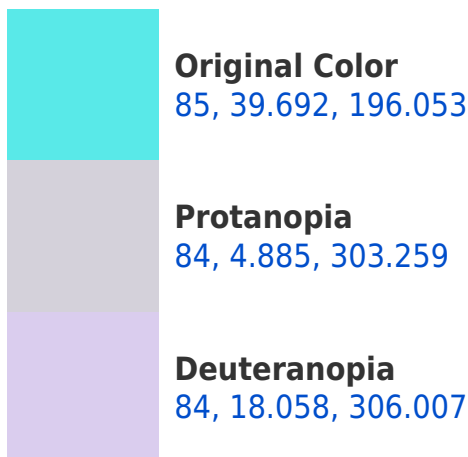


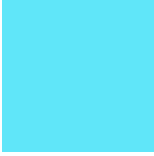
This preview shows how white text looks on a background with the CIELCh color 85, 39.692, 196.053.

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



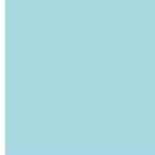


Tritanopia
85, 36.920, 213.078

Trichromacy



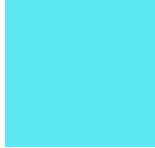
Original Color
85, 39.692, 196.053



Protanomaly
84, 17.124, 207.195



Deuteranomaly
84, 17.797, 237.389

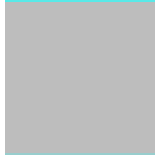


Tritanomaly
85, 37.619, 206.821

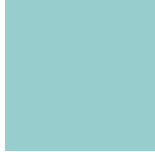
Monochromacy



Original Color
85, 39.692, 196.053



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 17.924, 198.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 39.692, 196.053 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(89, 233, 232)` looks like.

```
.text, #text, p{  
    color:rgb(89, 233, 232)  
}
```

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(89, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 233, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 39.692, 196.053 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(89, 233, 232) }
```

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

```
.border{ border-color:rgb(89, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(89, 233,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 39.692, 196.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 233, 232) }
```

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

```
.background{ background-color: rgb(89, 233,  
232) }
```

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