

Converting Colors

CIELCh(89, 54.650, 170.081)

Have a look what the booklet for
CIELCh(89, 54.650, 170.081)
contains.

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Color

CIELCh(89, 54.717, 169.986)

Conversions

Conversions Part 1

Format	Color
Hex	50FACC
RGB	80, 250, 204
RGB Percent	31%, 98%, 80%
CMY	0.6882, 0.0211, 0.2014
CMYK	0.68, 0.00, 0.18, 0.02
HSL	164°, 94%, 65%
HSV	164°, 68%, 98%
XYZ	48.1921, 74.1641, 68.6773
YIQ	193.9260, -86.5540, -50.3460

Conversions

Conversions Part 2

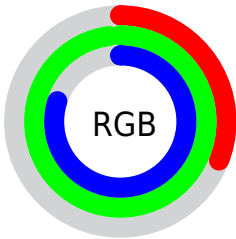
Format	Color
RYB	80, 178, 250
Decimal	5307084
CIELab	89.00, -53.88, 9.51
CIELCh	89, 54.717, 169.986
Yxy	74.1641, 0.2523, 0.3882
Android (android.graphics.Color)	4283497164 (0xFF50FACC)
YUV	193.9260, 4.9665, -99.9131
Hunter-Lab	86.1186, -50.8186, 13.0008

Details

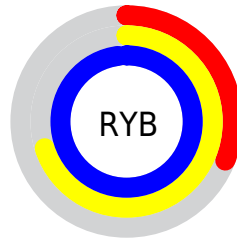
The CIELCh color **89, 54.717, 169.986** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **59, 68.367, 9.922**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.372, 197.427**, and **69, 51.479, 168.933** is the 20% darker color. If you saturate the color by 10%, you get **88, 59.711, 168.270**, and if you desaturate by 10%, it is **90, 48.723, 171.520**.

Distribution



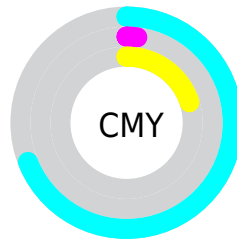
- Red (31%)
- Green (98%)
- Blue (80%)



- Red (31%)
- Yellow (70%)
- Blue (98%)



- Cyan (68%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (69%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 54.717, 169.986 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 89, 54.717, 169.986 by changing the saturation by 10% instead.

 89, 54.717,
169.986

 89, 54.717,
169.986

 100, 54.717,
169.986

 79, 54.717,
169.986

 69, 54.717,
169.986

 59, 54.717,
169.986

 49, 54.717,
169.986


 39, 54.717,
169.986

 29, 54.717,
169.986

 19, 54.717,


169.986


 9, 54.717, 169.986

 0, 54.717, 169.986


 89, 54.717,
169.986


 89, 54.717,
169.986


 88, 59.711,
168.270


 90, 48.723,
171.520


 88, 63.707,
166.357


 91, 41.801,
172.900

 88, 66.833,
164.262

 92, 34.075,
174.149

 88, 67.371,
163.873

 93, 25.699,
175.293

 95, 16.835,

176.354

 97, 7.638, 177.372

 99, 1.758, 357.887

 99, 3.345, 324.466

Harmonies

Complementary

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



89, 54.717, 169.986



59, 68.367, 9.922

Rectangle

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



89, 54.717, 169.986



89, 54.717, 219.986



89, 54.717, 349.986



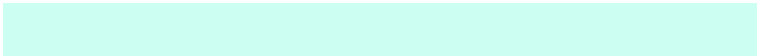
89, 54.717, 39.986

Sweetspot

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



89, 54.717, 169.985



96, 18.831, 176.160



89, 92.626, 132.804



51, 12.793, 175.865



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 54.717, 169.985



90, 62.403, 167.539



80, 37.898, 229.047



51, 5.329, 177.233



68, 54.275, 164.267



22, 23.507, 167.298

Inverse Universe

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



59, 68.367, 9.922



56, 80.050, 15.437



64, 65.693, 42.432



49, 5.494, 358.903



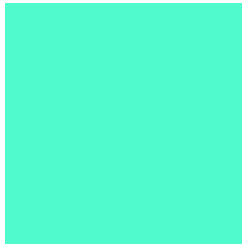
40, 71.042, 23.834



9, 30.676, 13.928

Previews

White Background



This preview shows how the CIE LCh color 89, 54.717, 169.986 looks on a white background.

Color Contrast Check

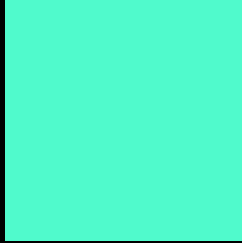
Large Text (above 18pt) WCAG AA × Fail

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 89, 54.717, 169.986 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 89, 54.717, 169.986

Background



This preview shows how black text looks on a background with the CIELCh color 89, 54.717, 169.986.

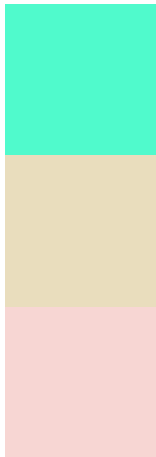


This preview shows how white text looks on a background with the CIELCh color 89, 54.717, 169.986.

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
89, 54.717, 169.986

Protanopia
88, 17.227, 93.351

Deuteranopia
88, 12.383, 27.440



Tritanopia
89, 31.306, 214.189

Trichromacy



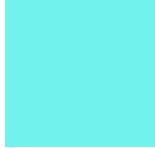
Original Color
89, 54.717, 169.986



Protanomaly
87, 27.492, 153.063



Deuteranomaly
87, 17.715, 164.072

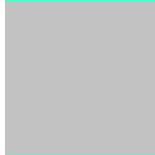


Tritanomaly
89, 37.651, 192.179

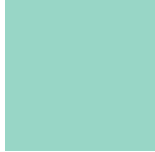
Monochromacy



Original Color
89, 54.717, 169.986



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 23.132, 176.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 54.717, 169.986 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(80, 250, 204)` looks like.

```
.text, #text, p{  
    color:rgb(80, 250, 204)  
}
```

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(80, 250, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 250, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 54.717, 169.986 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(80, 250, 204) }
```

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

```
.border{ border-color:rgb(80, 250, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 250, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 250, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 250, 204);  
box-shadow:4px 4px 4px 4px rgb(80, 250,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 54.717, 169.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 250, 204) }
```

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

```
.background{ background-color: rgb(80, 250,  
204) }
```

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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