

Converting Colors

CIELCh(88, 48.147, 169.939)

Have a look what the booklet for
CIELCh(88, 48.147, 169.939)
contains.

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Color

CIELCh(88, 48.127, 169.868)

Conversions

Conversions Part 1

Format	Color
Hex	69F4CB
RGB	105, 244, 203
RGB Percent	41%, 96%, 80%
CMY	0.5879, 0.0429, 0.2037
CMYK	0.57, 0.00, 0.17, 0.04
HSL	162°, 86%, 68%
HSV	162°, 57%, 96%
XYZ	48.9931, 72.0653, 67.8687
YIQ	197.7650, -69.6830, -42.2190

Conversions

Conversions Part 2

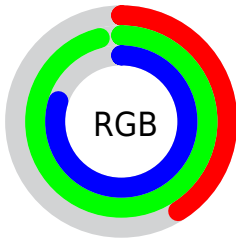
Format	Color
RYB	105, 187, 244
Decimal	6943947
CIELab	88.00, -47.38, 8.47
CIELCh	88, 48.127, 169.868
Yxy	72.0653, 0.2593, 0.3814
Android (android.graphics.Color)	4285134027 (0xFF69F4CB)
YUV	197.7650, 2.5809, -81.3549
Hunter-Lab	84.8913, -45.5425, 12.0229

Details

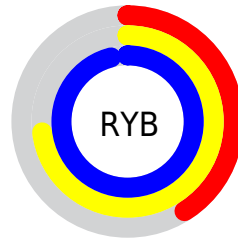
The CIELCh color **88, 48.127, 169.868** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **63, 57.225, 4.738**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **68, 48.103, 169.870** is the 20% darker color. If you saturate the color by 10%, you get **87, 54.379, 168.314**, and if you desaturate by 10%, it is **89, 40.993, 171.259**.

Distribution



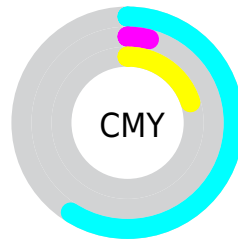
- Red (41%)
- Green (96%)
- Blue (80%)



- Red (41%)
- Yellow (73%)
- Blue (96%)



- Cyan (57%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)



- Cyan (59%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 48.127, 169.868 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 88, 48.127, 169.868 by changing the saturation by 10% instead.

 88, 48.127,
169.868

 88, 48.127,
169.868

 100, 48.127,
169.868

 78, 48.127,
169.868

 68, 48.127,
169.868

 58, 48.127,
169.868

 48, 48.127,
169.868

 38, 48.127,
169.868

 28, 48.127,
169.868

 18, 48.127,

169.868


 8, 48.127, 169.868


 0, 48.127, 169.868


 88, 48.127,
169.868


 88, 48.127,
169.868

 87, 54.379,
168.314


 89, 40.993,
171.259


 87, 59.663,
166.576

 90, 33.106,
172.517

 86, 63.971,
164.636

 92, 24.622,
173.665

 86, 67.394,
162.501

 93, 15.701,
174.727

 86, 68.347,

 95, 6.492, 175.751

161.843

 97, 2.874, 356.383

 97, 6.179, 328.716

 97, 6.806, 324.633

Harmonies

Complementary

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



88, 48.127, 169.868



63, 57.225, 4.738

Rectangle

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



88, 48.127, 169.868



88, 48.127, 219.868



88, 48.127, 349.868



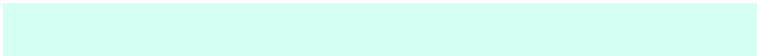
88, 48.127, 39.868

Sweetspot

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



88, 48.128, 169.867



97, 16.317, 174.718



88, 77.800, 132.813



51, 10.888, 174.509



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 48.128, 169.867



91, 56.929, 168.114



81, 33.444, 224.025



50, 5.314, 175.488



67, 55.422, 162.242



21, 23.448, 165.530

Inverse Universe

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



63, 57.225, 4.738



61, 69.405, 7.934



67, 52.330, 40.314



48, 5.465, 357.157



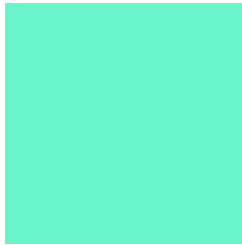
39, 69.400, 21.594



9, 29.689, 11.531

Previews

White Background



This preview shows how the CIE LCh color 88, 48.127, 169.868 looks on a white background.

Color Contrast Check

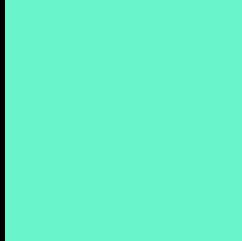
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 88, 48.127, 169.868 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 88, 48.127, 169.868

Background



This preview shows how black text looks on a background with the CIELCh color 88, 48.127, 169.868.

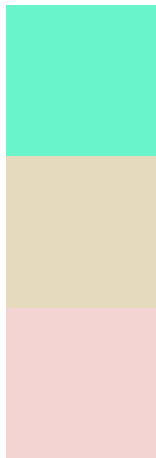


This preview shows how white text looks on a background with the CIELCh color 88, 48.127, 169.868.

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
88, 48.127, 169.868

Protanopia
87, 15.269, 91.525

Deuteranopia
87, 11.951, 25.201



Tritanopia
88, 32.456, 215.517

Trichromacy



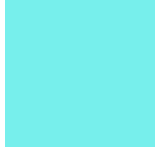
Original Color
88, 48.127, 169.868



Protanomaly
87, 22.716, 150.583



Deuteranomaly
87, 14.313, 160.021

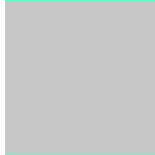


Tritanomaly
88, 35.554, 194.563

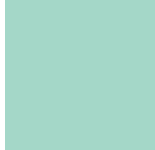
Monochromacy



Original Color
88, 48.127, 169.868



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 19.646, 174.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 48.127, 169.868 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(105, 244, 203)` looks like.

```
.text, #text, p{  
    color:rgb(105, 244, 203)  
}
```

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(105, 244, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 244, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 48.127, 169.868 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(105, 244, 203) }
```

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

```
.border{ border-color:rgb(105, 244, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 244, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 244, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 244, 203); box-shadow:4px 4px 4px 4px rgb(105, 244, 203) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 48.127, 169.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 244, 203) }
```

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

```
.background{ background-color: rgb(105,  
244, 203) }
```

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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