

# Converting Colors

CIELCh(88, 47.133, 168.864)

Have a look what the booklet for  
CIELCh(88, 47.133, 168.864)  
contains.

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# Color

**CIELCh(88, 47.307, 168.741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FF4CA
RGB	111, 244, 202
RGB Percent	44%, 96%, 79%
CMY	0.5663, 0.0447, 0.2093
CMYK	0.55, 0.00, 0.17, 0.04
HSL	161°, 85%, 69%
HSV	161°, 55%, 96%
XYZ	49.3532, 72.0653, 66.9550
YIQ	199.4450, -65.7860, -41.2580

# Conversions

## Conversions Part 2

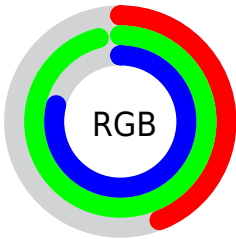
Format	Color
<a href="#">RYB</a>	<a href="#">111, 190, 244</a>
Decimal	<a href="#">7337162</a>
CIELab	<a href="#">88.00, -46.40, 9.24</a>
CIELCh	<a href="#">88, 47.307, 168.741</a>
Yxy	<a href="#">72.0653, 0.2620, 0.3826</a>
Android (android.graphics.Color)	<a href="#">4285527242 (0xFF6FF4CA)</a>
YUV	<a href="#">199.4450, 1.2596, -77.5663</a>
Hunter-Lab	<a href="#">84.8913, -44.7853, 12.6610</a>

# Details

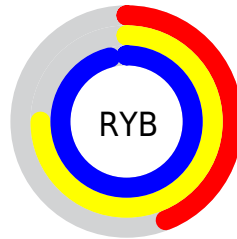
The CIELCh color **88, 47.307, 168.741** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 55.112, 2.628**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **68, 47.273, 168.729** is the 20% darker color. If you saturate the color by 10%, you get **87, 53.970, 167.201**, and if you desaturate by 10%, it is **89, 39.803, 170.119**.

# Distribution



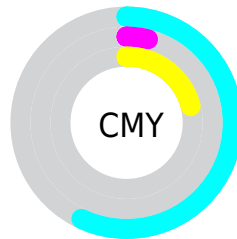
- Red (44%)
- Green (96%)
- Blue (79%)



- Red (44%)
- Yellow (75%)
- Blue (96%)



- Cyan (55%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)




- Cyan (57%)
- Magenta (4%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 47.307, 168.741 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, 47.307, 168.741 by changing the saturation by 10% instead.





 88, 47.307,  
168.741


 88, 47.307,  
168.741


 100, 47.307,  
168.741


 78, 47.307,  
168.741

 68, 47.307,  
168.741

 58, 47.307,  
168.741

 48, 47.307,  
168.741

 38, 47.307,  
168.741


 28, 47.307,  
168.741

 18, 47.307,


168.741


 8, 47.307, 168.741

 0, 47.307, 168.741


 88, 47.307,  
168.741

 88, 47.307,  
168.741


 87, 53.970,  
167.201


 89, 39.803,  
170.119


 87, 59.689,  
165.476

 90, 31.596,  
171.363

 86, 64.431,  
163.547

 92, 22.848,  
172.497

 86, 68.257,  
161.415

 93, 13.717,  
173.548

 86, 70.061,

 95, 4.350, 174.592

160.222

 97, 4.567, 351.948

 97, 7.093, 324.645

# Harmonies

# Complementary

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



88, 47.307, 168.741



64, 55.112, 2.628

# Rectangle

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



88, 47.307, 168.741



88, 47.307, 218.741



88, 47.307, 348.741



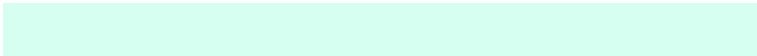
88, 47.307, 38.741

# Sweetspot

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



88, 47.308, 168.740



97, 15.575, 173.401



88, 74.433, 132.456



51, 10.493, 173.188



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, 47.308, 168.740



91, 56.857, 166.945



82, 32.630, 221.105



50, 5.380, 174.068



67, 56.875, 160.626



21, 23.989, 163.985



# Inverse Universe

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



64, 55.112, 2.628



62, 67.784, 5.680



68, 50.153, 38.798



48, 5.522, 355.735



39, 68.737, 19.721

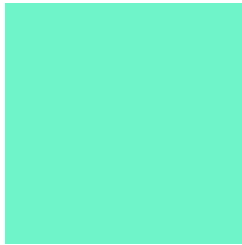


9, 29.649, 10.202



# Previews

## White Background



This preview shows how the CIE LCh color 88, 47.307, 168.741 looks on a white background.

## Color Contrast Check

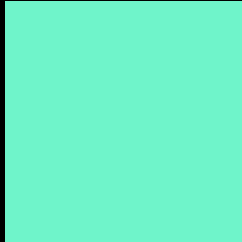
Large Text (above 18pt) WCAG AA × Fail

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, 47.307, 168.741 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, 47.307, 168.741

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 47.307, 168.741.

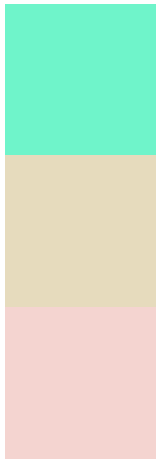


This preview shows how white text looks on a background with the CIELCh color 88, 47.307, 168.741.

# 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, 47.307, 168.741

**Protanopia**  
88, 16.150, 93.802

**Deuteranopia**  
87, 12.132, 30.055





**Tritanopia**  
88, 32.044, 215.778

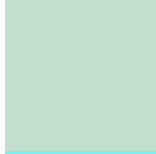
# Trichromacy



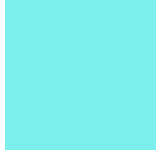
**Original Color**  
88, 47.307, 168.741



**Protanomaly**  
87, 23.273, 148.310

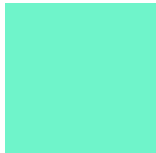


**Deuteranomaly**  
86, 13.516, 157.351

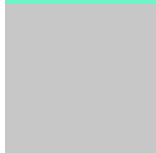


**Tritanomaly**  
88, 34.909, 194.557

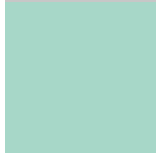
# Monochromacy



**Original Color**  
88, 47.307, 168.741



**Achromatopsia**  
80, 0.010, 296.813



**Achromatomaly**  
82, 18.755, 172.972

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 47.307, 168.741 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(111, 244, 202)` looks like.

```
.text, #text, p{  
    color:rgb(111, 244, 202)  
}
```

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(111, 244, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 244, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 47.307, 168.741 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(111, 244, 202) }
```

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

```
.border{ border-color:rgb(111, 244, 202) }
```

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

Here you see how a box with a 4 pixel rgb(111, 244, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 244, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 244, 202);  
box-shadow:4px 4px 4px 4px rgb(111, 244,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 47.307, 168.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 244, 202) }
```

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

```
.background{ background-color: rgb(111,  
244, 202) }
```

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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