

Converting Colors

CIELCh(89, 46.695, 161.526)

Have a look what the booklet for
CIELCh(89, 46.695, 161.526)
contains.

CIELCh(89, 46.384, 161.630)	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(89, 46.384, 161.630)

Conversions

Conversions Part 1

Format	Color
Hex	83F5C2
RGB	131, 245, 194
RGB Percent	51%, 96%, 76%
CMY	0.4855, 0.0384, 0.2385
CMYK	0.46, 0.00, 0.21, 0.04
HSL	153°, 85%, 74%
HSV	153°, 46%, 96%
XYZ	51.8579, 74.1641, 62.7276
YIQ	205.1000, -51.5730, -40.0290

Conversions

Conversions Part 2

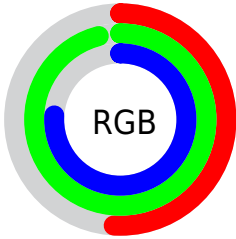
Format	Color
RYB	131, 204, 245
Decimal	8648130
CIELab	89.00, -44.02, 14.62
CIELCh	89, 46.384, 161.630
Yxy	74.1641, 0.2747, 0.3929
Android (android.graphics.Color)	4286838210 (0xFF83F5C2)
YUV	205.1000, -5.4723, -64.9857
Hunter-Lab	86.1186, -43.2205, 17.0970

Details

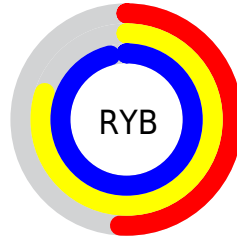
The CIELCh color **89, 46.384, 161.630** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69, 49.787, 351.858**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.716, 192.610**, and **69, 46.449, 161.444** is the 20% darker color. If you saturate the color by 10%, you get **88, 55.074, 160.170**, and if you desaturate by 10%, it is **90, 37.031, 162.923**.

Distribution



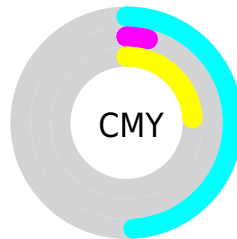
- Red (51%)
- Green (96%)
- Blue (76%)



- Red (51%)
- Yellow (80%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (21%)
- Black (4%)




- Cyan (49%)
- Magenta (4%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 46.384, 161.630 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, 46.384, 161.630 by changing the saturation by 10% instead.


 89, 46.384,
161.630


 89, 46.384,
161.630


 100, 46.384,
161.630


 79, 46.384,
161.630

 69, 46.384,
161.630

 59, 46.384,
161.630

 49, 46.384,
161.630

 39, 46.384,
161.630


 29, 46.384,
161.630


 19, 46.384,


161.630


 9, 46.384, 161.630


 0, 46.384, 161.630


 89, 46.384,
161.630


 89, 46.384,
161.630


 88, 55.074,
160.170


 90, 37.031,
162.923


 87, 62.938,
158.519

 92, 27.188,
164.077

 86, 69.861,
156.656

 93, 17.031,
165.118

 86, 75.800,
154.577


 95, 6.715, 166.094

 86, 80.813,

 97, 3.630, 346.734

152.301

 98, 6.106, 324.604

 86, 82.439,
151.501

Harmonies

Complementary

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



89, 46.384, 161.630



69, 49.787, 351.858

Rectangle

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



89, 46.384, 161.630



89, 46.384, 211.630



89, 46.384, 341.630



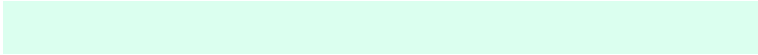
89, 46.384, 31.630

Sweetspot

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



89, 46.385, 161.629



97, 14.934, 165.361



90, 61.973, 128.628



51, 10.303, 165.148



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, 46.385, 161.629



91, 56.411, 160.228



89, 32.237, 202.724



50, 5.869, 165.802



67, 66.475, 151.931



21, 27.625, 155.507

Inverse Universe

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



69, 49.787, 351.858



67, 61.006, 353.540



69, 45.808, 27.815



48, 5.964, 347.371



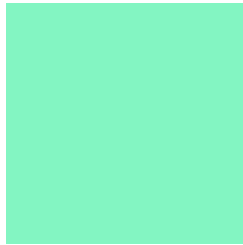
40, 66.645, 7.083



9, 29.859, 0.088

Previews

White Background



This preview shows how the CIE LCh color 89, 46.384, 161.630 looks on a white background.

Color Contrast Check

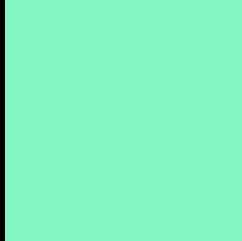
Large Text (above 18pt) WCAG AA × Fail

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, 46.384, 161.630 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, 46.384, 161.630

Background



This preview shows how black text looks on a background with the CIELCh color 89, 46.384, 161.630.

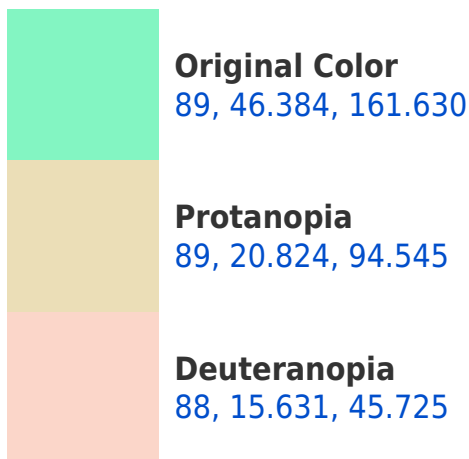


This preview shows how white text looks on a background with the CIELCh color 89, 46.384, 161.630.

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



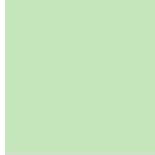


Tritanopia
89, 27.413, 219.239

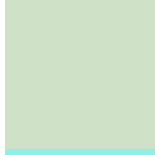
Trichromacy



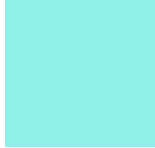
Original Color
89, 46.384, 161.630



Protanomaly
88, 25.504, 136.941



Deuteranomaly
88, 15.110, 135.000

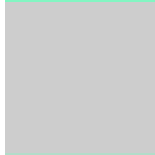


Tritanomaly
89, 30.341, 191.464

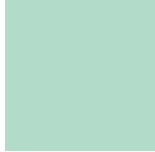
Monochromacy



Original Color
89, 46.384, 161.630



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 18.098, 164.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 46.384, 161.630 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(131, 245, 194)` looks like.

```
.text, #text, p{  
    color:rgb(131, 245, 194)  
}
```

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(131, 245, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 245, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 46.384, 161.630 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(131, 245, 194) }
```

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

```
.border{ border-color:rgb(131, 245, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 245, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 245, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 245, 194); box-shadow:4px 4px 4px 4px rgb(131, 245, 194) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 46.384, 161.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 245, 194) }
```

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

```
.background{ background-color: rgb(131,  
245, 194) }
```

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