

Converting Colors

CIELCh(89, 48.502, 160.221)

Have a look what the booklet for
CIELCh(89, 48.502, 160.221)
contains.

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Color

CIELCh(89, 48.401, 160.236)

Conversions

Conversions Part 1

Format	Color
Hex	81F6BF
RGB	129, 246, 191
RGB Percent	51%, 96%, 75%
CMY	0.4951, 0.0362, 0.2519
CMYK	0.48, 0.00, 0.22, 0.04
HSL	152°, 86%, 73%
HSV	152°, 48%, 96%
XYZ	51.2776, 74.1641, 60.7710
YIQ	204.7470, -52.0770, -41.9090

Conversions

Conversions Part 2

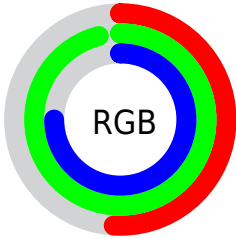
Format	Color
R_{YB}	129, 205, 246
Decimal	8517311
CIE _{Lab}	89.00, -45.55, 16.37
CIE _{LCh}	89, 48.401, 160.236
Yxy	74.1641, 0.2754, 0.3983
Android (android.graphics.Color)	4286707391 (0xFF81F6BF)
YUV	204.7470, -6.7773, -66.4301
Hunter-Lab	86.1186, -44.4232, 18.4441

Details

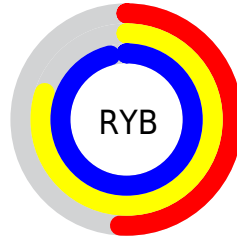
The CIELCh color **89, 48.401, 160.236** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68, 51.573, 350.595**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 22.806, 187.559**, and **69, 48.616, 160.007** is the 20% darker color. If you saturate the color by 10%, you get **88, 57.248, 158.757**, and if you desaturate by 10%, it is **90, 38.877, 161.542**.

Distribution



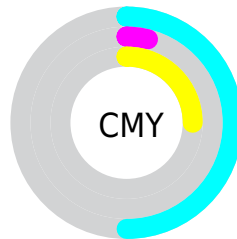
- Red (51%)
- Green (96%)
- Blue (75%)



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



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)




- Cyan (50%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.401, 160.236 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, 48.401, 160.236 by changing the saturation by 10% instead.

 89, 48.401,
160.236

 89, 48.401,
160.236


 100, 48.401,
160.236

 79, 48.401,
160.236

 69, 48.401,
160.236

 59, 48.401,
160.236

 49, 48.401,
160.236

 39, 48.401,
160.236

 29, 48.401,
160.236

 19, 48.401,


160.236


 9, 48.401, 160.236


 0, 48.401, 160.236


 89, 48.401,
160.236


 89, 48.401,
160.236

 88, 57.248,
158.757


 90, 38.877,
161.542

 87, 65.254,
157.081

 92, 28.854,
162.703

 86, 72.305,
155.192

 93, 18.511,
163.746

 86, 78.361,
153.086

 95, 8.007, 164.710

 86, 83.498,

 97, 2.523, 345.301

150.799



98, 5.752, 324.588

 86, 84.654,
150.258

Harmonies

Complementary

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



89, 48.401, 160.236



68, 51.573, 350.595

Rectangle

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



89, 48.401, 160.236



89, 48.401, 210.236



89, 48.401, 340.236



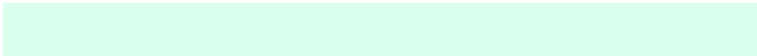
89, 48.401, 30.236

Sweetspot

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



89, 48.402, 160.235



97, 15.180, 164.096



91, 62.906, 127.429



51, 10.474, 163.886



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, 48.402, 160.235



91, 58.439, 158.834



90, 34.017, 198.995



50, 5.964, 164.531



67, 68.126, 150.690



21, 28.262, 154.272

Inverse Universe

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



68, 51.573, 350.595



66, 62.554, 352.218



67, 48.440, 25.786



48, 6.051, 346.074



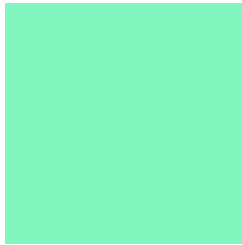
40, 66.678, 4.902



9, 30.007, 358.272

Previews

White Background



This preview shows how the CIE LCh color 89, 48.401, 160.236 looks on a white background.

Color Contrast Check

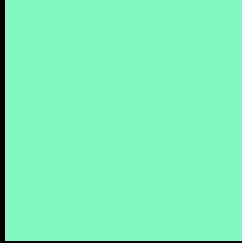
Large Text (above 18pt) WCAG AA × Fail

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, 48.401, 160.236 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, 48.401, 160.236

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.401, 160.236.

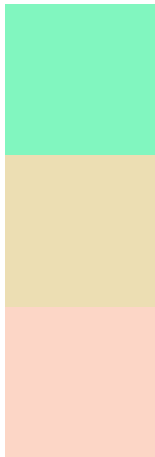


This preview shows how white text looks on a background with the CIELCh color 89, 48.401, 160.236.

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, 48.401, 160.236

Protanopia
89, 22.929, 94.593

Deuteranopia
88, 16.784, 49.767



Tritanopia
89, 27.646, 219.039

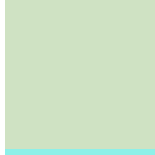
Trichromacy



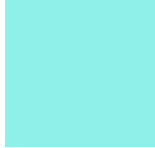
Original Color
89, 48.401, 160.236



Protanomaly
88, 27.954, 135.042



Deuteranomaly
88, 17.620, 132.330

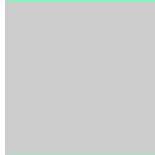


Tritanomaly
89, 31.128, 189.623

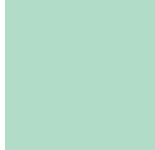
Monochromacy



Original Color
89, 48.401, 160.236



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 18.701, 163.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.401, 160.236 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(129, 246, 191)` looks like.

```
.text, #text, p{  
    color:rgb(129, 246, 191)  
}
```

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(129, 246, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 246, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.401, 160.236 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(129, 246, 191) }
```

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

```
.border{ border-color:rgb(129, 246, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 246, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 246, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 246, 191);  
box-shadow:4px 4px 4px 4px rgb(129, 246,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.401, 160.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 246, 191) }
```

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

```
.background{ background-color: rgb(129,  
246, 191) }
```

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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