

Converting Colors

CIELCh(89, 45.825, 163.483)

Have a look what the booklet for
CIELCh(89, 45.825, 163.483)
contains.

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Color

CIElCh(89, 45.784, 163.452)

Conversions

Conversions Part 1

Format	Color
Hex	81F5C5
RGB	129, 245, 197
RGB Percent	51%, 96%, 77%
CMY	0.4932, 0.0383, 0.2266
CMYK	0.47, 0.00, 0.20, 0.04
HSL	155°, 86%, 73%
HSV	155°, 47%, 96%
XYZ	51.9084, 74.1641, 64.5289
YIQ	204.8440, -53.7280, -39.5200

Conversions

Conversions Part 2

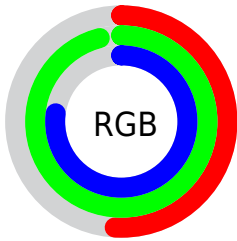
Format	Color
RYB	129, 202, 245
Decimal	8517061
CIELab	89.00, -43.89, 13.04
CIElCh	89, 45.784, 163.452
Yxy	74.1641, 0.2723, 0.3891
Android (android.graphics.Color)	4286707141 (0xFF81F5C5)
YUV	204.8440, -3.8671, -66.5152
Hunter-Lab	86.1186, -43.1158, 15.8569

Details

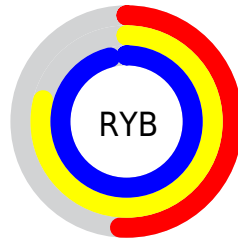
The CIELCh color **89, 45.784, 163.452** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68, 49.867, 354.201**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.043, 196.712**, and **69, 45.854, 163.376** is the 20% darker color. If you saturate the color by 10%, you get **88, 54.078, 161.979**, and if you desaturate by 10%, it is **90, 36.799, 164.760**.

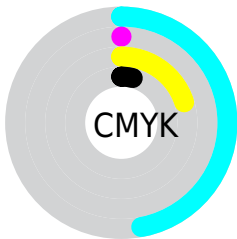
Distribution



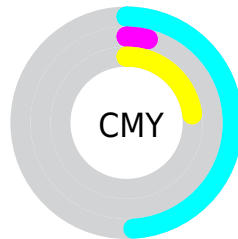
- Red (51%)
- Green (96%)
- Blue (77%)



- Red (51%)
- Yellow (79%)
- Blue (96%)



- Cyan (47%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)





- Cyan (49%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 45.784, 163.452 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, 45.784, 163.452 by changing the saturation by 10% instead.


 89, 45.784,
163.452


 89, 45.784,
163.452


 100, 45.784,
163.452


 79, 45.784,
163.452

 69, 45.784,
163.452

 59, 45.784,
163.452

 49, 45.784,
163.452

 39, 45.784,
163.452


 29, 45.784,
163.452


 19, 45.784,


163.452


 9, 45.784, 163.452


 0, 45.784, 163.452


 89, 45.784,
163.452

 89, 45.784,
163.452


 88, 54.078,
161.979


 90, 36.799,
164.760

 87, 61.528,
160.319

 92, 27.292,
165.931

 87, 68.032,
158.450

 93, 17.435,
166.993

 86, 73.560,
156.363

 95, 7.382, 167.988


 86, 78.194,

 97, 2.734, 348.608

154.084



98, 6.087, 324.603

 86, 79.363,
153.472

Harmonies

Complementary

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



89, 45.784, 163.452



68, 49.867, 354.201

Rectangle

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



89, 45.784, 163.452



89, 45.784, 213.452



89, 45.784, 343.452



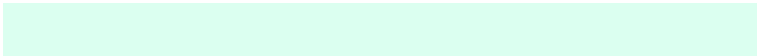
89, 45.784, 33.452

Sweetspot

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



89, 45.785, 163.451



97, 14.582, 167.322



90, 63.601, 129.707



51, 10.057, 167.106



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

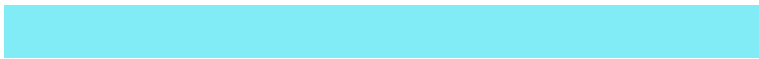
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 45.785, 163.451



91, 55.552, 162.008



87, 31.650, 206.717



50, 5.734, 167.771



67, 64.009, 153.901



21, 26.680, 157.454

Inverse Universe

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



68, 49.867, 354.201



66, 61.161, 356.058



69, 45.545, 30.308



48, 5.840, 349.376



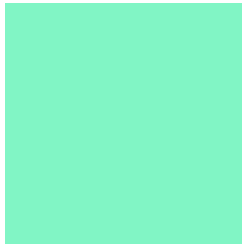
40, 66.809, 10.349



9, 29.706, 2.847

Previews

White Background



This preview shows how the CIELCh color 89, 45.784, 163.452 looks on a white background.

Color Contrast Check

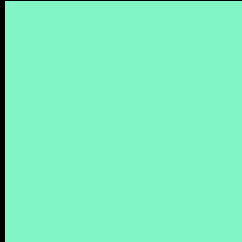
Large Text (above 18pt) WCAG AA × Fail

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 89, 45.784, 163.452 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, 45.784, 163.452

Background



This preview shows how black text looks on a background with the CIELCh color 89, 45.784, 163.452.

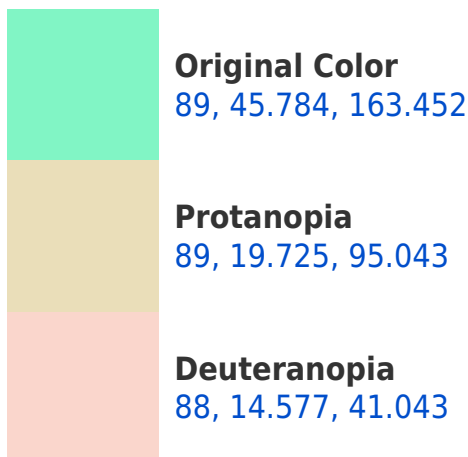



This preview shows how white text looks on a background with the CIELCh color 89, 45.784, 163.452.

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



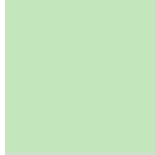


Tritanopia
89, 27.778, 217.738

Trichromacy



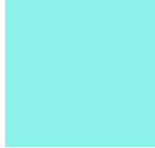
Original Color
89, 45.784, 163.452



Protanomaly
88, 24.782, 138.783



Deuteranomaly
88, 13.901, 139.113

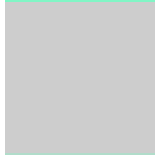


Tritanomaly
89, 30.841, 191.539

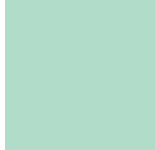
Monochromacy



Original Color
89, 45.784, 163.452



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 18.071, 166.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 45.784, 163.452 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, 245, 197)` looks like.

```
.text, #text, p{  
    color:rgb(129, 245, 197)  
}
```

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, 245, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 245, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 45.784, 163.452 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, 245, 197) }
```

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

```
.border{ border-color:rgb(129, 245, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 245, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 245, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 245, 197); box-shadow:4px 4px 4px 4px rgb(129, 245, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 45.784, 163.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 245, 197) }
```

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

```
.background{ background-color: rgb(129,  
245, 197) }
```

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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