

Converting Colors

CIELCh(84, 45.398, 176.596)

Have a look what the booklet for
CIELCh(84, 45.398, 176.596)
contains.

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Color

CIELCh(84, 45.398, 176.596)

Conversions

Conversions Part 1

Format	Color
Hex	58E8CB
RGB	88, 232, 203
RGB Percent	35%, 91%, 80%
CMY	0.6551, 0.0904, 0.2041
CMYK	0.62, 0.00, 0.13, 0.09
HSL	168°, 76%, 63%
HSV	168°, 62%, 91%
XYZ	43.6348, 64.0658, 66.5358
YIQ	185.6380, -76.5150, -39.5470

Conversions

Conversions Part 2

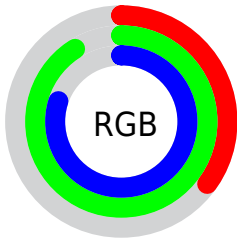
Format	Color
RYB	88, 168, 232
Decimal	5826763
CIELab	84.00, -45.32, 2.70
CIELCh	84, 45.398, 176.596
Yxy	64.0658, 0.2504, 0.3677
Android (android.graphics.Color)	4284016843 (0xFF58E8CB)
YUV	185.6380, 8.5595, -85.6285
Hunter-Lab	80.0411, -42.7617, 6.7427

Details

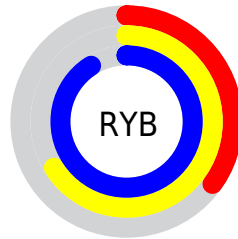
The CIELCh color **84, 45.398, 176.596** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **57, 59.503, 13.329**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **64, 44.371, 175.898** is the 20% darker color. If you saturate the color by 10%, you get **83, 50.059, 175.185**, and if you desaturate by 10%, it is **85, 39.798, 177.872**.

Distribution



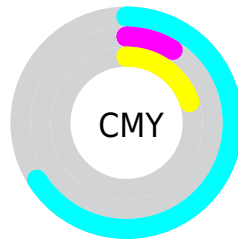
- Red (35%)
- Green (91%)
- Blue (80%)



- Red (35%)
- Yellow (66%)
- Blue (91%)



- Cyan (62%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)



- Cyan (66%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 45.398, 176.596 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 84, 45.398, 176.596 by changing the saturation by 10% instead.


 84, 45.398,
176.596


 84, 45.398,
176.596


 100, 45.398,
176.596


 74, 45.398,
176.596

 64, 45.398,
176.596

 54, 45.398,
176.596

 44, 45.398,
176.596

 34, 45.398,
176.596

 24, 45.398,
176.596

 14, 45.398,

176.596

■ 4, 45.398, 176.596

■ 0, 45.398, 176.596

■ 84, 45.398,
176.596

■ 84, 45.398,
176.596

■ 83, 50.059,
175.185

■ 85, 39.798,
177.872

■ 83, 53.747,
173.618

■ 86, 33.350,
179.041

■ 83, 56.506,
171.880

■ 87, 26.182,
180.123

■ 82, 58.192,
170.411

■ 88, 18.436,
181.139

■ 90, 10.260,

182.113

■ 92, 1.788, 183.279

■ 93, 6.864, 3.742

■ 94, 9.308, 352.528

■ 94, 10.607,
340.942

Harmonies

Complementary

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



84, 45.398, 176.596



57, 59.503, 13.329

Rectangle

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



84, 45.398, 176.596



84, 45.398, 226.596



84, 45.398, 356.596



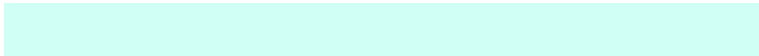
84, 45.398, 46.596

Sweetspot

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



84, 45.398, 176.595



97, 17.225, 181.432



83, 82.462, 134.700



51, 11.791, 181.150



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 45.398, 176.595



91, 55.202, 174.685



73, 34.289, 238.511



47, 4.798, 182.370



65, 47.625, 170.756



18, 19.218, 174.003

Inverse Universe

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



57, 59.503, 13.329



58, 76.231, 18.032



65, 53.425, 47.416



45, 4.980, 3.969



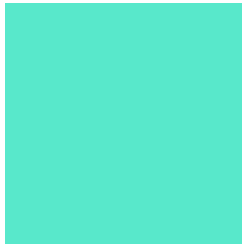
37, 70.953, 29.200



7, 26.666, 13.356

Previews

White Background



This preview shows how the CIE LCh color 84, 45.398, 176.596 looks on a white background.

Color Contrast Check

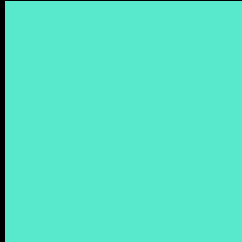
Large Text (above 18pt) WCAG AA × Fail

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 84, 45.398, 176.596 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

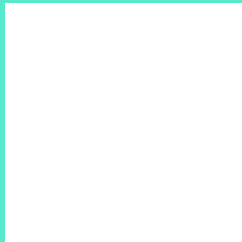
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 45.398, 176.596

Background



This preview shows how black text looks on a background with the CIELCh color 84, 45.398, 176.596.

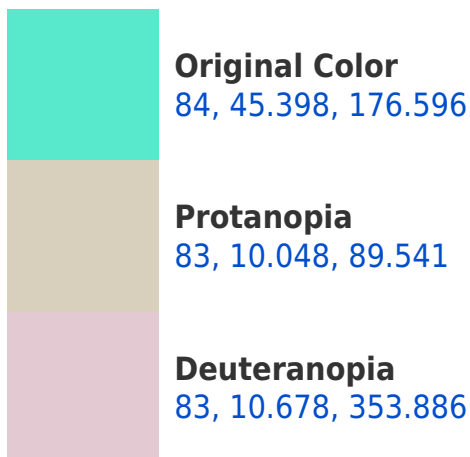


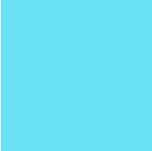
This preview shows how white text looks on a background with the CIELCh color 84, 45.398, 176.596.

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



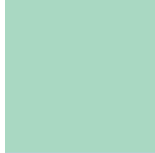


Tritanopia
84, 34.567, 213.422

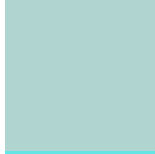
Trichromacy



Original Color
84, 45.398, 176.596



Protanomaly
83, 20.535, 163.446



Deuteranomaly
82, 12.928, 186.641

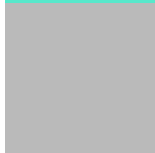


Tritanomaly
84, 36.713, 197.814

Monochromacy



Original Color
84, 45.398, 176.596



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 19.473, 180.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 45.398, 176.596 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(88, 232, 203)` looks like.

```
.text, #text, p{  
    color:rgb(88, 232, 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(88, 232, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 232, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 45.398, 176.596 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(88, 232, 203) }
```

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

```
.border{ border-color:rgb(88, 232, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 232, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 232, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 232, 203);  
box-shadow:4px 4px 4px 4px rgb(88, 232,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 45.398, 176.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 232, 203) }
```

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

```
.background{ background-color: rgb(88, 232,  
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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