

Converting Colors

CIELCh(88, 46.808, 178.652)

Have a look what the booklet for
CIELCh(88, 46.808, 178.652)
contains.

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Color

CIELCh(88, 46.745, 178.742)

Conversions

Conversions Part 1

Format	Color
Hex	5AF4D9
RGB	90, 244, 217
RGB Percent	35%, 96%, 85%
CMY	0.6458, 0.0421, 0.1481
CMYK	0.63, 0.00, 0.11, 0.04
HSL	169°, 88%, 66%
HSV	169°, 63%, 96%
XYZ	49.2291, 72.0653, 77.1272
YIQ	194.8760, -83.1170, -41.0450

Conversions

Conversions Part 2

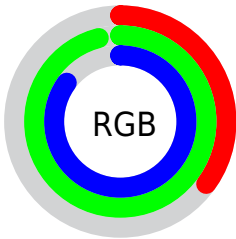
Format	Color
RYB	90, 174, 244
Decimal	5960921
CIELab	88.00, -46.73, 1.03
CIELCh	88, 46.745, 178.742
Yxy	72.0653, 0.2481, 0.3632
Android (android.graphics.Color)	4284151001 (0xFF5AF4D9)
YUV	194.8760, 10.9071, -91.9763
Hunter-Lab	84.8913, -45.0462, 5.5565

Details

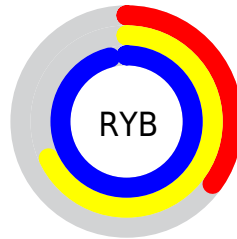
The CIELCh color **88, 46.745, 178.742** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **60, 63.191, 15.682**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 30.658, 197.530**, and **68, 45.351, 178.109** is the 20% darker color. If you saturate the color by 10%, you get **87, 51.249, 177.406**, and if you desaturate by 10%, it is **89, 41.237, 179.955**.

Distribution



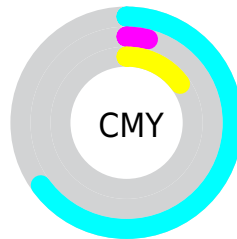
- Red (35%)
- Green (96%)
- Blue (85%)



- Red (35%)
- Yellow (68%)
- Blue (96%)



- Cyan (63%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)



- Cyan (65%)
- Magenta (4%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 46.745, 178.742 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, 46.745, 178.742 by changing the saturation by 10% instead.


 88, 46.745,
178.742


 88, 46.745,
178.742


 100, 46.745,
178.742


 78, 46.745,
178.742

 68, 46.745,
178.742

 58, 46.745,
178.742

 48, 46.745,
178.742

 38, 46.745,
178.742

 28, 46.745,
178.742

 18, 46.745,

178.742

■ 8, 46.745, 178.742

■ 0, 46.745, 178.742

■ 88, 46.745,
178.742

■ 88, 46.745,
178.742

■ 87, 51.249,
177.406

■ 89, 41.237,
179.955

■ 87, 54.726,
175.928

■ 90, 34.811,
181.072

■ 87, 57.236,
174.290

■ 91, 27.593,
182.112

■ 87, 58.562,
173.077

■ 92, 19.733,
183.096

■ 94, 11.380,

184.044

 96, 2.679, 185.101

 97, 4.108, 357.741

 97, 5.329, 335.440

 97, 6.691, 324.628

Harmonies

Complementary

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



88, 46.745, 178.742



60, 63.191, 15.682

Rectangle

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



88, 46.745, 178.742



88, 46.745, 228.742



88, 46.745, 358.742



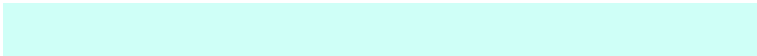
88, 46.745, 48.742

Sweetspot

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



88, 46.745, 178.741



97, 17.002, 183.476



87, 87.845, 135.395



51, 11.632, 183.203



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, 46.745, 178.741



91, 54.192, 176.957



75, 36.797, 244.196



50, 5.001, 184.381



68, 47.582, 173.395



21, 20.553, 175.958

Inverse Universe

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



60, 63.191, 15.682



58, 77.748, 20.494



68, 56.015, 50.291



48, 5.208, 5.953



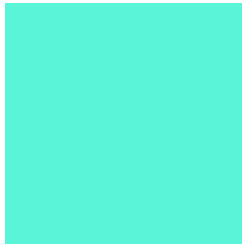
39, 74.580, 31.266



8, 30.096, 17.816

Previews

White Background



This preview shows how the CIE LCh color 88, 46.745, 178.742 looks on a white background.

Color Contrast Check

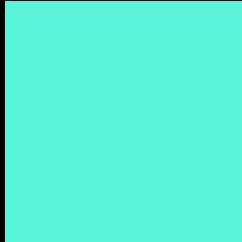
Large Text (above 18pt) WCAG AA × Fail

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 88, 46.745, 178.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

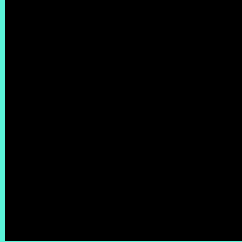
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 46.745, 178.742

Background



This preview shows how black text looks on a background with the CIELCh color 88, 46.745, 178.742.

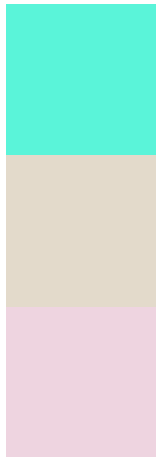


This preview shows how white text looks on a background with the CIELCh color 88, 46.745, 178.742.

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, 46.745, 178.742

Protanopia

87, 8.485, 86.275

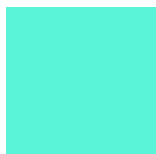
Deuteranopia

87, 11.328, 346.694

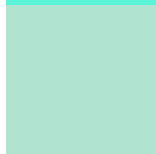


Tritanopia
88, 33.818, 213.736

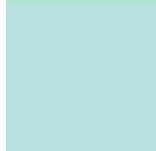
Trichromacy



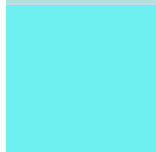
Original Color
88, 46.745, 178.742



Protanomaly
87, 20.839, 167.791



Deuteranomaly
86, 13.783, 194.104



Tritanomaly
88, 37.151, 197.858

Monochromacy



Original Color
88, 46.745, 178.742



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 20.052, 182.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 46.745, 178.742 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(90, 244, 217)` looks like.

```
.text, #text, p{  
    color:rgb(90, 244, 217)  
}
```

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(90, 244, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 244, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 46.745, 178.742 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(90, 244, 217) }
```

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

```
.border{ border-color:rgb(90, 244, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 244, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 244, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 244, 217);  
box-shadow:4px 4px 4px 4px rgb(90, 244,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 46.745, 178.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 244, 217) }
```

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

```
.background{ background-color: rgb(90, 244,  
217) }
```

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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