

Converting Colors

CIELCh(87, 49.736, 180.003)

Have a look what the booklet for
CIELCh(87, 49.736, 180.003)
contains.

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Color

CIELCh(87, 50.005, 179.678)

Conversions

Conversions Part 1

Format	Color
Hex	41F3D8
RGB	65, 243, 216
RGB Percent	25%, 95%, 85%
CMY	0.7466, 0.0480, 0.1539
CMYK	0.73, 0.00, 0.11, 0.05
HSL	171°, 88%, 60%
HSV	171°, 73%, 95%
XYZ	46.4932, 70.0064, 75.8638
YIQ	186.7000, -97.4210, -46.1330

Conversions

Conversions Part 2

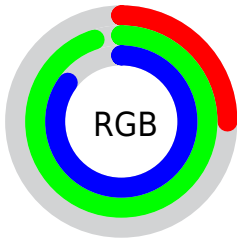
Format	Color
RYB	65, 161, 243
Decimal	4322264
CIELab	87.00, -50.00, 0.28
CIELCh	87, 50.005, 179.678
Yxy	70.0064, 0.2417, 0.3639
Android (android.graphics.Color)	4282512344 (0xFF41F3D8)
YUV	186.7000, 14.4449, -106.7309
Hunter-Lab	83.6698, -47.2343, 4.8104

Details

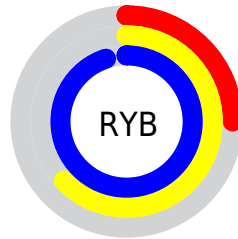
The CIELCh color **87, 50.005, 179.678** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **56, 73.074, 21.191**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **68, 45.206, 178.030** is the 20% darker color. If you saturate the color by 10%, you get **87, 53.209, 178.316**, and if you desaturate by 10%, it is **88, 45.770, 180.911**.

Distribution



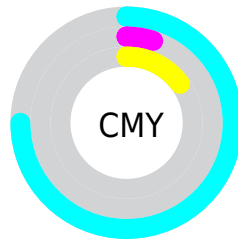
- Red (25%)
- Green (95%)
- Blue (85%)



- Red (25%)
- Yellow (63%)
- Blue (95%)



- Cyan (73%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (75%)
- Magenta (5%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 50.005, 179.678 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 87, 50.005, 179.678 by changing the saturation by 10% instead.

 87, 50.005,
179.678

 87, 50.005,
179.678


 100, 50.005,
179.678

 77, 50.005,
179.678

 67, 50.005,
179.678

 57, 50.005,
179.678

 47, 50.005,
179.678

 37, 50.005,
179.678

 27, 50.005,
179.678

 17, 50.005,

179.678

■ 7, 50.005, 179.678

■ 0, 50.005, 179.678

■ 87, 50.005,
179.678

■ 87, 50.005,
179.678

■ 87, 53.209,
178.316

■ 88, 45.770,
180.911

■ 86, 55.447,
176.812

■ 88, 40.522,
182.041

■ 86, 56.542,
175.756

■ 89, 34.340,
183.089

■ 90, 27.346,
184.073

■ 92, 19.684,

185.011

■ 93, 11.504,
185.923

■ 95, 2.948, 186.935

■ 97, 4.529, 3.640

■ 97, 5.359, 344.000

Harmonies

Complementary

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



87, 50.005, 179.678



56, 73.074, 21.191

Rectangle

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



87, 50.005, 179.678



87, 50.005, 229.678



87, 50.005, 359.678



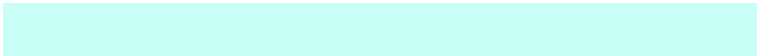
87, 50.005, 49.678

Sweetspot

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



87, 50.005, 179.677



96, 19.339, 185.133



85, 98.678, 135.167



51, 12.909, 184.882



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 50.005, 179.677



90, 56.475, 177.604



71, 41.310, 250.493



50, 4.953, 186.282



68, 46.186, 176.041



21, 20.042, 178.374

Inverse Universe

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



56, 73.074, 21.191



55, 88.602, 27.923



65, 66.429, 51.366



48, 5.172, 7.807



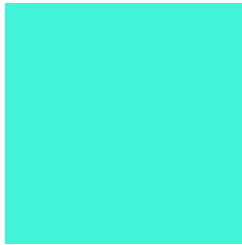
39, 75.777, 32.877



8, 30.195, 18.821

Previews

White Background



This preview shows how the CIE LCh color 87, 50.005, 179.678 looks on a white background.

Color Contrast Check

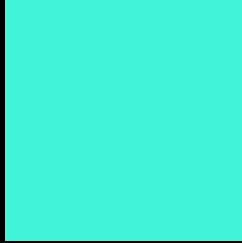
Large Text (above 18pt) WCAG AA × Fail

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 87, 50.005, 179.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

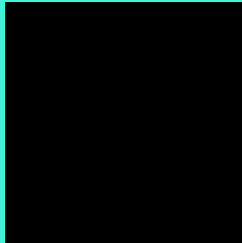
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 50.005, 179.678

Background



This preview shows how black text looks on a background with the CIELCh color 87, 50.005, 179.678.

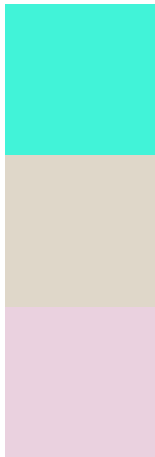


This preview shows how white text looks on a background with the CIELCh color 87, 50.005, 179.678.

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

87, 50.005, 179.678

Protanopia

86, 7.879, 87.348

Deuteranopia

86, 11.667, 341.368

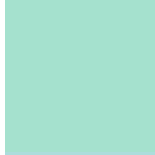


Tritanopia
87, 38.217, 212.410

Trichromacy



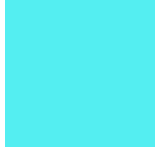
Original Color
87, 50.005, 179.678



Protanomaly
85, 23.168, 172.212



Deuteranomaly
85, 16.603, 196.451

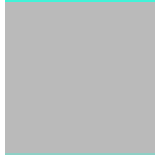


Tritanomaly
87, 40.969, 199.030

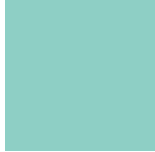
Monochromacy



Original Color
87, 50.005, 179.678



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 22.788, 184.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 50.005, 179.678 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(65, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(65, 243, 216)  
}
```

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(65, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 243, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 50.005, 179.678 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(65, 243, 216) }
```

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

```
.border{ border-color:rgb(65, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(65, 243,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 50.005, 179.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 243, 216) }
```

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

```
.background{ background-color: rgb(65, 243,  
216) }
```

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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