

Converting Colors

CIELCh(87, 50.019, 189.727)

Have a look what the booklet for
CIELCh(87, 50.019, 189.727)
contains.

CIELCh(87, 50.055, 189.558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 50.055, 189.558)

Conversions

Conversions Part 1

Format	Color
Hex	06F3E8
RGB	6, 243, 232
RGB Percent	2%, 95%, 91%
CMY	0.9746, 0.0468, 0.0900
CMYK	0.97, 0.00, 0.05, 0.05
HSL	177°, 95%, 49%
HSV	177°, 97%, 95%
XYZ	46.7216, 70.0064, 87.4363
YIQ	170.8830, -137.7210, -53.6650

Conversions

Conversions Part 2

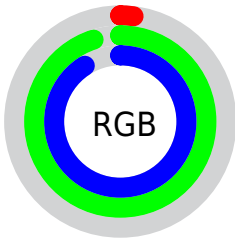
Format	Color
RYB	6, 127, 243
Decimal	455656
CIELab	87.00, -49.36, -8.31
CIELCh	87, 50.055, 189.558
Yxy	70.0064, 0.2288, 0.3429
Android (android.graphics.Color)	4278645736 (0xFF06F3E8)
YUV	170.8830, 30.1307, -144.6024
Hunter-Lab	83.6698, -46.7471, -3.3901

Details

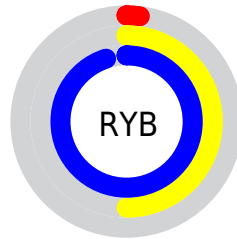
The CIELCh color **87, 50.055, 189.558** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **51, 97.632, 38.021**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **68, 41.370, 188.472** is the 20% darker color. If you saturate the color by 10%, you get **87, 50.257, 189.388**, and if you desaturate by 10%, it is **87, 48.998, 190.184**.

Distribution



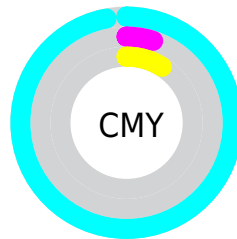
- Red (2%)
- Green (95%)
- Blue (91%)



- Red (2%)
- Yellow (50%)
- Blue (95%)



- Cyan (97%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (97%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 50.055, 189.558 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, 50.055, 189.558 by changing the saturation by 10% instead.

■ 87, 50.055,
189.558

■ 87, 50.055,
189.558

■ 100, 50.055,
189.558

■ 77, 50.055,
189.558

■ 67, 50.055,
189.558

■ 57, 50.055,
189.558

■ 47, 50.055,
189.558

■ 37, 50.055,
189.558

■ 27, 50.055,
189.558

■ 17, 50.055,

189.558

■ 7, 50.055, 189.558

■ 0, 50.055, 189.558

■ 87, 50.055,
189.558

■ 87, 50.055,
189.558

■ 87, 50.257,
189.388

■ 87, 48.998,
190.184

■ 87, 47.024,
190.785

■ 88, 44.010,
191.370

■ 89, 39.926,
191.954

■ 89, 34.810,

192.547

■ 90, 28.749,
193.154

■ 92, 21.867,
193.783

■ 93, 14.305,
194.438

■ 95, 6.205, 195.151

Harmonies

Complementary

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



87, 50.055, 189.558



51, 97.632, 38.021

Rectangle

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



87, 50.055, 189.558



87, 50.055, 239.558



87, 50.055, 9.558



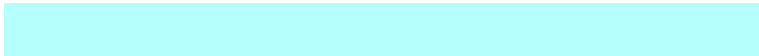
87, 50.055, 59.558

Sweetspot

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



87, 50.055, 189.557



95, 23.970, 193.672



84, 114.684, 135.923



50, 16.187, 193.402



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, 50.055, 189.557



91, 52.122, 189.371



56, 62.308, 278.345



50, 4.810, 194.986



68, 41.110, 189.498



21, 18.174, 190.378

Inverse Universe

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



51, 97.632, 38.021



53, 102.803, 38.739



62, 83.019, 56.644



48, 5.083, 16.178



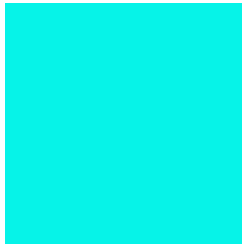
39, 80.556, 38.174



8, 30.733, 23.145

Previews

White Background



This preview shows how the CIE LCh color 87, 50.055, 189.558 looks on a white background.

Color Contrast Check

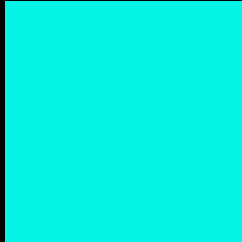
Large Text (above 18pt) WCAG AA × Fail

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, 50.055, 189.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

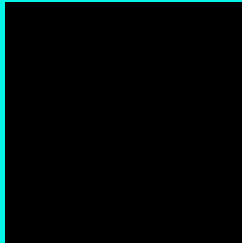
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 50.055, 189.558

Background



This preview shows how black text looks on a background with the CIELCh color 87, 50.055, 189.558.

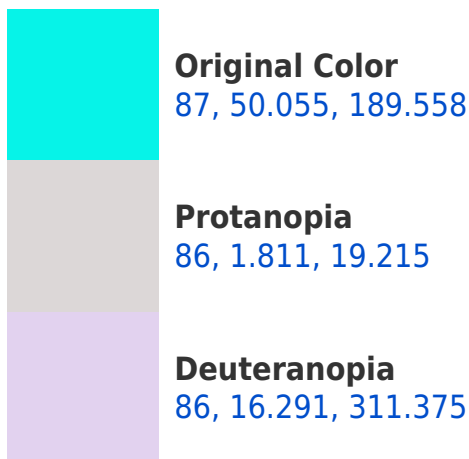


This preview shows how white text looks on a background with the CIELCh color 87, 50.055, 189.558.

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



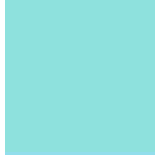


Tritanopia
87, 39.717, 210.929

Trichromacy



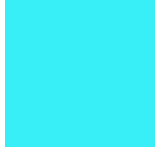
Original Color
87, 50.055, 189.558



Protanomaly
84, 26.763, 193.034



Deuteranomaly
84, 24.538, 215.560

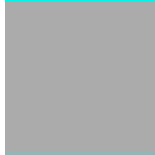


Tritanomaly
87, 43.917, 202.218

Monochromacy



Original Color
87, 50.055, 189.558



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 27.626, 192.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 50.055, 189.558 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(6, 243, 232)` looks like.

```
.text, #text, p{  
    color:rgb(6, 243, 232)  
}
```

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(6, 243, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 243, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 50.055, 189.558 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(6, 243, 232) }
```

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

```
.border{ border-color:rgb(6, 243, 232) }
```

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

Here you see how a box with a 4 pixel rgb(6, 243, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 243, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 243, 232);  
box-shadow:4px 4px 4px 4px rgb(6, 243,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 50.055, 189.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 243, 232) }
```

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

```
.background{ background-color: rgb(6, 243,  
232) }
```

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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