

Converting Colors

CIELCh(85, 64.570, 190.868)

Have a look what the booklet for
CIELCh(85, 64.570, 190.868)
contains.

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Color

CIELCh(87, 49.994, 190.166)

Conversions

Conversions Part 1

Format	Color
Hex	00F3E9
RGB	0, 243, 233
RGB Percent	0%, 95%, 91%
CMY	0.9989, 0.0469, 0.0861
CMYK	1.00, 0.00, 0.04, 0.05
HSL	178°, 100%, 48%
HSV	178°, 100%, 95%
XYZ	46.7752, 70.0064, 88.1615
YIQ	169.2030, -141.6180, -54.6260

Conversions

Conversions Part 2

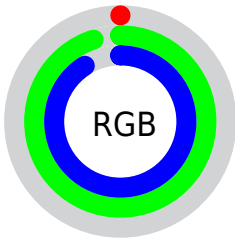
Format	Color
RYB	0, 124, 243
Decimal	62441
CIELab	87.00, -49.21, -8.82
CIELCh	87, 49.994, 190.166
Yxy	70.0064, 0.2282, 0.3416
Android (android.graphics.Color)	4278252521 (0xFF00F3E9)
YUV	169.2030, 31.4519, -148.3910
Hunter-Lab	83.6698, -46.6326, -3.9040

Details

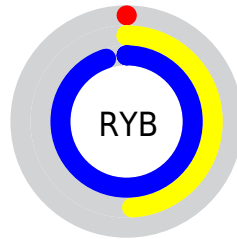
The CIELCh color **87, 49.994, 190.166** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **51, 99.179, 38.797**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **68, 41.158, 189.231** is the 20% darker color. If you saturate the color by 10%, you get **87, 50.002, 190.158**, and if you desaturate by 10%, it is **87, 49.124, 190.735**.

Distribution



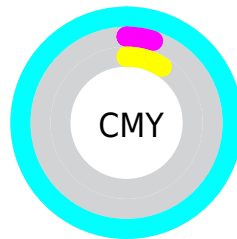
- Red (0%)
- Green (95%)
- Blue (91%)



- Red (0%)
- Yellow (49%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 49.994, 190.166 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, 49.994, 190.166 by changing the saturation by 10% instead.

 87, 49.994,
190.166

 87, 49.994,
190.166

 100, 49.994,
190.166

 77, 49.994,
190.166

 67, 49.994,
190.166

 57, 49.994,
190.166

 47, 49.994,
190.166

 37, 49.994,
190.166

 27, 49.994,
190.166

 17, 49.994,

190.166

■ 7, 49.994, 190.166

■ 0, 49.994, 190.166

■ 87, 49.994,
190.166

■ 87, 49.994,
190.166

■ 87, 50.002,
190.158

■ 87, 49.124,
190.735

■ 87, 47.433,
191.286

■ 88, 44.723,
191.828

■ 88, 40.943,
192.372

■ 89, 36.114,

192.929

■ 90, 30.310,
193.505

■ 91, 23.648,
194.106

■ 93, 16.264,
194.734

■ 94, 8.301, 195.409

Harmonies

Complementary

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



87, 49.994, 190.166



51, 99.179, 38.797

Rectangle

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



87, 49.994, 190.166



87, 49.994, 240.166



87, 49.994, 10.166



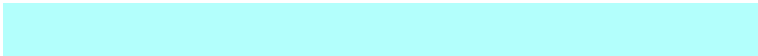
87, 49.994, 60.166

Sweetspot

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



87, 49.994, 190.165



95, 24.666, 194.094



84, 115.236, 135.871



50, 16.558, 193.837



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, 49.994, 190.165



91, 51.861, 190.143



56, 63.849, 279.544



50, 4.806, 195.437



68, 40.909, 190.257



22, 18.099, 191.044

Inverse Universe

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



51, 99.179, 38.797



53, 103.004, 38.886



62, 84.418, 55.991



48, 5.082, 16.606



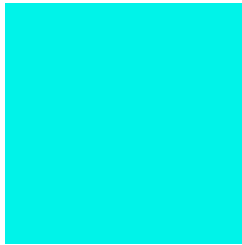
39, 80.764, 38.373



8, 30.765, 23.359

Previews

White Background



This preview shows how the CIE LCh color 87, 49.994, 190.166 looks on a white background.

Color Contrast Check

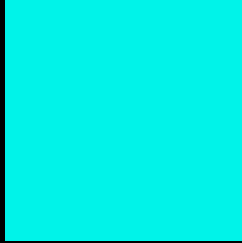
Large Text (above 18pt) WCAG AA × Fail

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, 49.994, 190.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

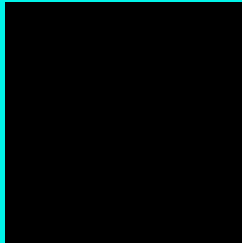
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

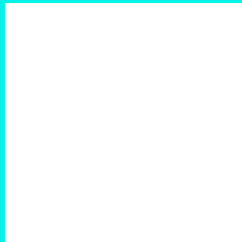
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 49.994, 190.166

Background



This preview shows how black text looks on a background with the CIELCh color 87, 49.994, 190.166.

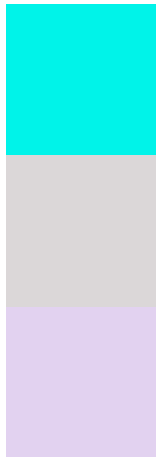


This preview shows how white text looks on a background with the CIELCh color 87, 49.994, 190.166.

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, 49.994, 190.166

Protanopia

86, 1.546, 359.343

Deuteranopia

86, 16.783, 310.770



Tritanopia
87, 39.577, 210.987

Trichromacy



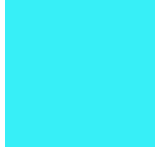
Original Color
87, 49.994, 190.166



Protanomaly
84, 27.444, 194.214



Deuteranomaly
84, 25.121, 216.395

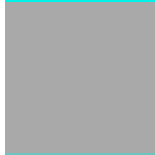


Tritanomaly
87, 44.102, 202.184

Monochromacy



Original Color
87, 49.994, 190.166



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 28.121, 192.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 49.994, 190.166 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(0, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 233)  
}
```

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(0, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 49.994, 190.166 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(0, 243, 233) }
```

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

```
.border{ border-color:rgb(0, 243, 233) }
```

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

Here you see how a box with a 4 pixel rgb(0, 243, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 49.994, 190.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 233) }
```

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

```
.background{ background-color: rgb(0, 243,  
233) }
```

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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