

Converting Colors

CIELCh(87, 48.123, 195.319)

Have a look what the booklet for
CIELCh(87, 48.123, 195.319)
contains.

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Color

CIELCh(87, 48.149, 195.115)

Conversions

Conversions Part 1

Format	Color
Hex	0FF2F0
RGB	15, 242, 240
RGB Percent	6%, 95%, 94%
CMY	0.9412, 0.0503, 0.0582
CMYK	0.94, 0.00, 0.01, 0.05
HSL	179°, 90%, 50%
HSV	179°, 94%, 95%
XYZ	47.7509, 70.0064, 93.5622
YIQ	173.8990, -134.6500, -48.7460

Conversions

Conversions Part 2

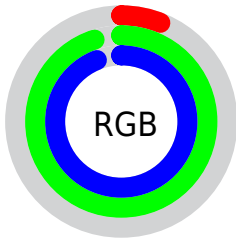
Format	Color
R _Y B	15, 129, 242
Decimal	1045232
CIE Lab	87.00, -46.48, -12.56
CIE LCh	87, 48.149, 195.115
Yxy	70.0064, 0.2260, 0.3313
Android (android.graphics.Color)	4279235312 (0xFF0FF2F0)
YUV	173.8990, 32.5878, -139.3544
Hunter-Lab	83.6698, -44.5511, -7.7310

Details

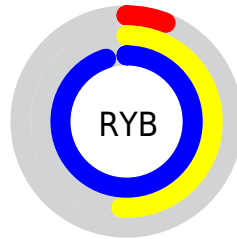
The CIELCh color **87, 48.149, 195.115** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **51, 96.980, 38.387**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **68, 39.532, 195.560** is the 20% darker color. If you saturate the color by 10%, you get **87, 48.510, 195.018**, and if you desaturate by 10%, it is **87, 47.001, 195.291**.

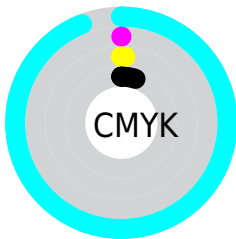
Distribution



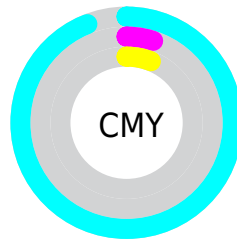
- Red (6%)
- Green (95%)
- Blue (94%)



- Red (6%)
- Yellow (51%)
- Blue (95%)



- Cyan (94%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)





- Cyan (94%)
- Magenta (5%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 48.149, 195.115 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, 48.149, 195.115 by changing the saturation by 10% instead.


 87, 48.149,
195.115


 87, 48.149,
195.115


 100, 48.149,
195.115


 77, 48.149,
195.115

 67, 48.149,
195.115

 57, 48.149,
195.115

 47, 48.149,
195.115

 37, 48.149,
195.115

 27, 48.149,
195.115

 17, 48.149,

195.115

■ 7, 48.149, 195.115

■ 0, 48.149, 195.115

■ 87, 48.149,
195.115

■ 87, 48.149,
195.115

■ 87, 48.510,
195.018

■ 87, 47.001,
195.291

■ 87, 44.888,
195.510

■ 88, 41.718,
195.778

■ 89, 37.480,
196.100

■ 89, 32.220,

196.479

■ 91, 26.034,
196.913

■ 92, 19.046,
197.400

■ 93, 11.395,
197.945

■ 95, 3.220, 198.647

Harmonies

Complementary

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



87, 48.149, 195.115



51, 96.980, 38.387

Rectangle

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



87, 48.149, 195.115



87, 48.149, 245.115



87, 48.149, 15.115



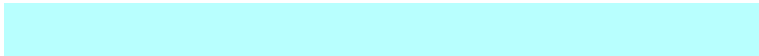
87, 48.149, 65.115

Sweetspot

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



87, 48.148, 195.114



96, 23.002, 197.185



84, 113.732, 136.132



50, 15.613, 196.978



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, 48.148, 195.114



91, 50.445, 195.014



55, 64.090, 280.361



49, 4.705, 198.208



68, 39.409, 195.041



21, 17.188, 195.227

Inverse Universe

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



51, 96.980, 38.387



53, 104.222, 39.755



65, 79.781, 60.291



47, 4.992, 19.224



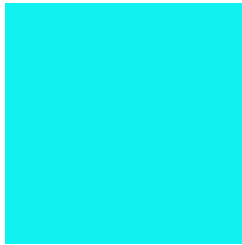
38, 81.295, 39.632



8, 29.788, 23.454

Previews

White Background



This preview shows how the CIELCh color 87, 48.149, 195.115 looks on a white background.

Color Contrast Check

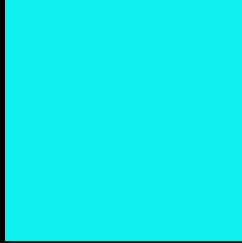
Large Text (above 18pt) WCAG AA × Fail

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, 48.149, 195.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

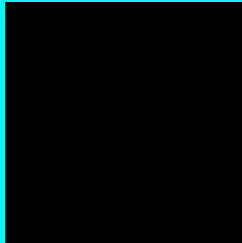
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

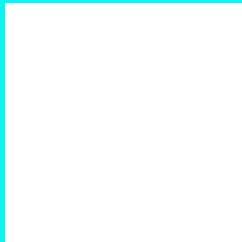
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 48.149, 195.115

Background



This preview shows how black text looks on a background with the CIELCh color 87, 48.149, 195.115.

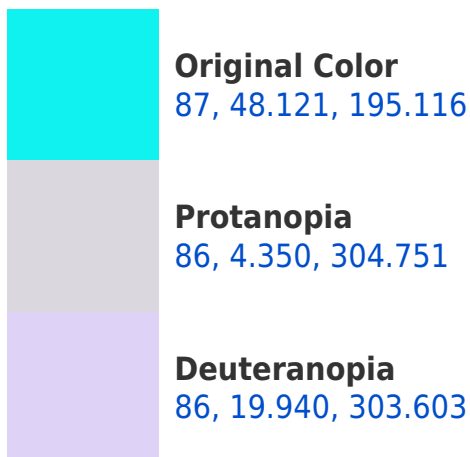


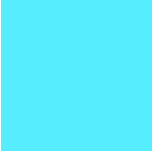
This preview shows how white text looks on a background with the CIELCh color 87, 48.149, 195.115.

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



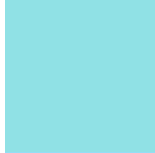


Tritanopia
87, 39.856, 210.872

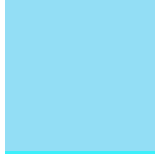
Trichromacy



Original Color
87, 48.121, 195.116



Protanomaly
85, 25.605, 202.470



Deuteranomaly
85, 25.473, 226.696

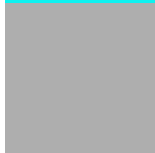


Tritanomaly
87, 43.402, 204.457

Monochromacy



Original Color
87, 48.121, 195.116



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 26.516, 196.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 48.149, 195.115 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(15, 242, 240)` looks like.

```
.text, #text, p{  
    color:rgb(15, 242, 240)  
}
```

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(15, 242, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 242, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 48.149, 195.115 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(15, 242, 240) }
```

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

```
.border{ border-color:rgb(15, 242, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 242, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 242, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 242, 240);  
box-shadow:4px 4px 4px 4px rgb(15, 242,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 48.149, 195.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 242, 240) }
```

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

```
.background{ background-color: rgb(15, 242,  
240) }
```

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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