

Converting Colors

CIELCh(87, 49.239, 174.979)

Have a look what the booklet for
CIELCh(87, 49.239, 174.979)
contains.

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Color

CIELCh(87, 49.216, 174.943)

Conversions

Conversions Part 1

Format	Color
Hex	54F2D0
RGB	84, 242, 208
RGB Percent	33%, 95%, 82%
CMY	0.6701, 0.0506, 0.1840
CMYK	0.65, 0.00, 0.14, 0.05
HSL	167°, 86%, 64%
HSV	167°, 65%, 95%
XYZ	46.8409, 70.0064, 70.7741
YIQ	190.8820, -83.2540, -44.0700

Conversions

Conversions Part 2

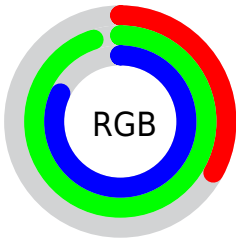
Format	Color
RYB	84, 173, 242
Decimal	5567184
CIELab	87.00, -49.02, 4.34
CIELCh	87, 49.216, 174.943
Yxy	70.0064, 0.2497, 0.3731
Android (android.graphics.Color)	4283757264 (0xFF54F2D0)
YUV	190.8820, 8.4392, -93.7355
Hunter-Lab	83.6698, -46.4925, 8.4170

Details

The CIELCh color **87, 49.216, 174.943** 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 **59, 64.466, 13.285**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **67, 46.892, 174.259** is the 20% darker color. If you saturate the color by 10%, you get **86, 53.839, 173.432**, and if you desaturate by 10%, it is **88, 43.607, 176.303**.

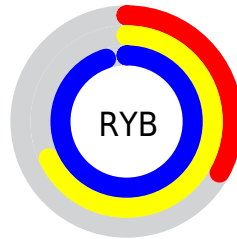
Distribution



Red (33%)

Green (95%)

Blue (82%)



Red (33%)

Yellow (68%)

Blue (95%)

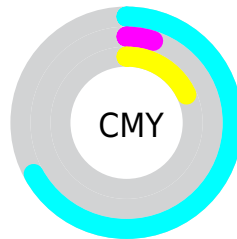


Cyan (65%)

Magenta (0%)

Yellow (14%)

Black (5%)



Cyan (67%)

Magenta (5%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 49.216, 174.943 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, 49.216, 174.943 by changing the saturation by 10% instead.


 87, 49.216,
174.943


 87, 49.216,
174.943


 100, 49.216,
174.943


 77, 49.216,
174.943

 67, 49.216,
174.943

 57, 49.216,
174.943

 47, 49.216,
174.943


 37, 49.216,
174.943

 27, 49.216,
174.943


 17, 49.216,


174.943


 7, 49.216, 174.943


 0, 49.216, 174.943


 87, 49.216,
174.943


 87, 49.216,
174.943

 86, 53.839,
173.432


 88, 43.607,
176.303


 86, 57.462,
171.750

 89, 37.090,
177.540

 86, 60.163,
169.889

 90, 29.791,
178.677

 86, 61.237,
168.973

 91, 21.856,
179.734

 93, 13.440,

180.735

 95, 4.686, 181.746

 96, 4.276, 2.371

 97, 6.041, 339.155

 97, 8.037, 324.704

Harmonies

Complementary

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



87, 49.216, 174.943



59, 64.466, 13.285

Rectangle

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



87, 49.216, 174.943



87, 49.216, 224.943



87, 49.216, 354.943



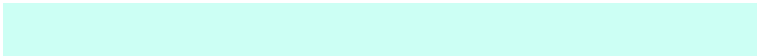
87, 49.216, 44.943

Sweetspot

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



87, 49.216, 174.942



96, 18.234, 180.260



86, 88.932, 134.522



51, 12.375, 179.977



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, 49.216, 174.942



90, 57.222, 172.952



75, 36.681, 239.467



49, 5.005, 181.305



67, 49.527, 169.338



20, 20.813, 172.363

Inverse Universe

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



59, 64.466, 13.285



57, 78.377, 18.189



66, 58.794, 47.436



47, 5.188, 2.929



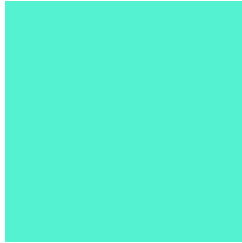
38, 71.882, 28.257



8, 28.959, 14.859

Previews

White Background



This preview shows how the CIE LCh color 87, 49.216, 174.943 looks on a white background.

Color Contrast Check

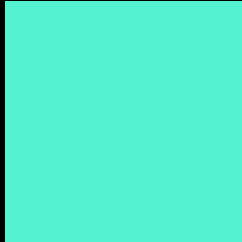
Large Text (above 18pt) WCAG AA × Fail

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, 49.216, 174.943 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, 49.216, 174.943

Background



This preview shows how black text looks on a background with the CIELCh color 87, 49.216, 174.943.

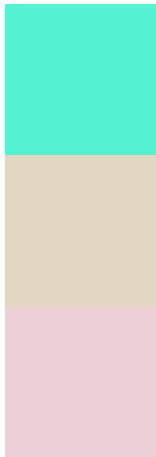


This preview shows how white text looks on a background with the CIELCh color 87, 49.216, 174.943.

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](#).

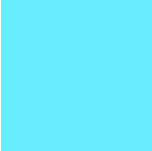
Dichromacy



Original Color
87, 49.216, 174.943

Protanopia
86, 11.584, 90.236

Deuteranopia
86, 10.749, 3.257

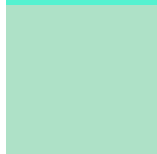


Tritanopia
87, 36.760, 213.111

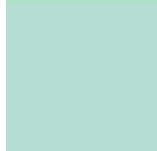
Trichromacy



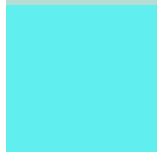
Original Color
87, 49.216, 174.943



Protanomaly
85, 22.813, 161.122



Deuteranomaly
85, 14.823, 179.721



Tritanomaly
87, 39.223, 196.895

Monochromacy



Original Color
87, 49.216, 174.943



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 21.313, 178.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 49.216, 174.943 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(84, 242, 208)` looks like.

```
.text, #text, p{  
    color:rgb(84, 242, 208)  
}
```

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(84, 242, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 242, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 49.216, 174.943 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(84, 242, 208) }
```

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

```
.border{ border-color:rgb(84, 242, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 242, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 242, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 242, 208);  
box-shadow:4px 4px 4px 4px rgb(84, 242,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 49.216, 174.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 242, 208) }
```

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

```
.background{ background-color: rgb(84, 242,  
208) }
```

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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