

Converting Colors

CIELCh(87, 58.989, 168.769)

Have a look what the booklet for
CIELCh(87, 58.989, 168.769)
contains.

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Color

CIELCh(87, 58.989, 168.769)

Conversions

Conversions Part 1

Format	Color
Hex	31F5C2
RGB	49, 245, 194
RGB Percent	19%, 96%, 76%
CMY	0.8062, 0.0383, 0.2384
CMYK	0.80, 0.00, 0.21, 0.04
HSL	164°, 91%, 58%
HSV	164°, 80%, 96%
XYZ	43.7672, 70.0064, 62.3673
YIQ	180.5820, -100.4450, -57.4130

Conversions

Conversions Part 2

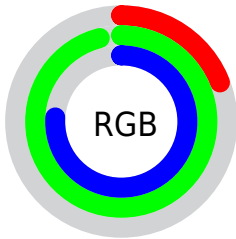
Format	Color
RYB	49, 162, 245
Decimal	3274178
CIELab	87.00, -57.86, 11.49
CIELCh	87, 58.989, 168.769
Yxy	70.0064, 0.2485, 0.3974
Android (android.graphics.Color)	4281464258 (0xFF31F5C2)
YUV	180.5820, 6.6151, -115.3974
Hunter-Lab	83.6698, -53.0499, 14.3742

Details

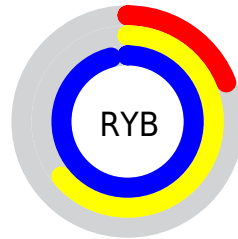
The CIELCh color **87, 58.989, 168.769** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **55, 76.372, 15.209**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.318, 193.910**, and **68, 53.092, 165.577** is the 20% darker color. If you saturate the color by 10%, you get **87, 62.674, 166.852**, and if you desaturate by 10%, it is **88, 54.331, 170.490**.

Distribution



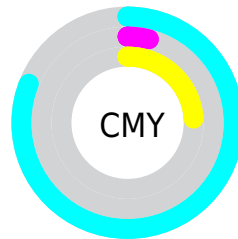
- Red (19%)
- Green (96%)
- Blue (76%)



- Red (19%)
- Yellow (64%)
- Blue (96%)



- Cyan (80%)
- Magenta (0%)
- Yellow (21%)
- Black (4%)




- Cyan (81%)
- Magenta (4%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 58.989, 168.769 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, 58.989, 168.769 by changing the saturation by 10% instead.

 87, 58.989,
168.769

 87, 58.989,
168.769

 100, 58.989,
168.769


 77, 58.989,
168.769

 67, 58.989,
168.769

 57, 58.989,
168.769

 47, 58.989,
168.769

 37, 58.989,
168.769


 27, 58.989,
168.769


 17, 58.989,


168.769

 7, 58.989, 168.769


 0, 58.989, 168.769


 87, 58.989,
168.769


 87, 58.989,
168.769

 87, 62.674,
166.852


 88, 54.331,
170.490

 86, 65.567,
164.775

 88, 48.678,
172.032


 86, 65.610,
164.743

 89, 42.090,
173.418

 90, 34.680,
174.673

 92, 26.597,

175.822

 93, 17.998,
176.888

 95, 9.036, 177.903

 97, 0.151, 354.961

 98, 4.801, 335.967

Harmonies

Complementary

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



87, 58.989, 168.769



55, 76.372, 15.209

Rectangle

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



87, 58.989, 168.769



87, 58.989, 218.769



87, 58.989, 348.769



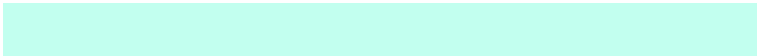
87, 58.989, 38.769

Sweetspot

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



87, 58.989, 168.768



96, 22.319, 176.448



86, 102.630, 133.028



50, 15.234, 176.066



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, 58.989, 168.768



90, 66.501, 165.535



75, 40.528, 235.415



50, 5.212, 177.940



67, 53.045, 165.132



21, 22.565, 168.272

Inverse Universe

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



55, 76.372, 15.209



54, 88.243, 23.584



60, 77.450, 44.339



48, 5.378, 359.602



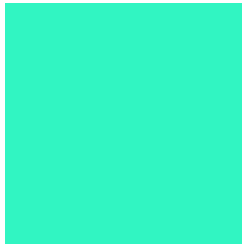
39, 70.685, 24.613



9, 29.783, 13.590

Previews

White Background



This preview shows how the CIE LCh color 87, 58.989, 168.769 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 CIE LCh color 87, 58.989, 168.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

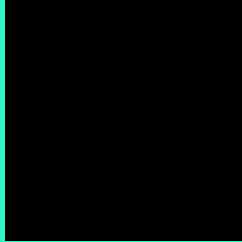
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 58.989, 168.769

Background



This preview shows how black text looks on a background with the CIELCh color 87, 58.989, 168.769.

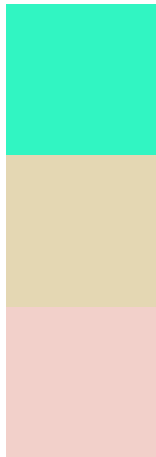


This preview shows how white text looks on a background with the CIELCh color 87, 58.989, 168.769.

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](#).

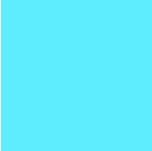
Dichromacy



Original Color
87, 58.989, 168.769

Protanopia
86, 19.436, 93.557

Deuteranopia
86, 13.198, 33.944



Tritanopia
87, 38.371, 212.339

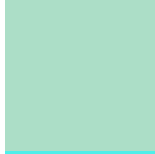
Trichromacy



Original Color
87, 58.989, 168.769



Protanomaly
85, 31.339, 154.037



Deuteranomaly
85, 21.591, 163.811

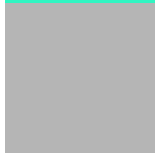


Tritanomaly
87, 43.197, 192.411

Monochromacy



Original Color
87, 58.989, 168.769



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 26.317, 175.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 58.989, 168.769 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(49, 245, 194)` looks like.

```
.text, #text, p{  
    color:rgb(49, 245, 194)  
}
```

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(49, 245, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 245, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 58.989, 168.769 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(49, 245, 194) }
```

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

```
.border{ border-color:rgb(49, 245, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 245, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 245, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 245, 194);  
box-shadow:4px 4px 4px 4px rgb(49, 245,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 58.989, 168.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 245, 194) }
```

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

```
.background{ background-color: rgb(49, 245,  
194) }
```

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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