

Converting Colors

CIELCh(87, 51.853, 158.174)

Have a look what the booklet for
CIELCh(87, 51.853, 158.174)
contains.

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Color

CIELCh(87, 51.675, 158.235)

Conversions

Conversions Part 1

Format	Color
Hex	77F1B4
RGB	119, 241, 180
RGB Percent	47%, 95%, 71%
CMY	0.5340, 0.0556, 0.2947
CMYK	0.51, 0.00, 0.25, 0.06
HSL	150°, 81%, 71%
HSV	150°, 51%, 94%
XYZ	47.2095, 70.0064, 54.1180
YIQ	197.5680, -53.1310, -44.8350

Conversions

Conversions Part 2

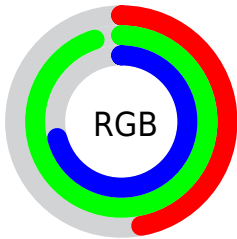
Format	Color
RYB	119, 200, 241
Decimal	7860660
CIELab	87.00, -47.99, 19.16
CIELCh	87, 51.675, 158.235
Yxy	70.0064, 0.2755, 0.4086
Android (android.graphics.Color)	4286050740 (0xFF77F1B4)
YUV	197.5680, -8.6610, -68.9041
Hunter-Lab	83.6698, -45.7061, 20.2198

Details

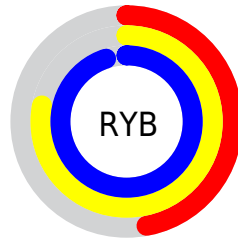
The CIELCh color **87, 51.675, 158.235** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **66, 54.568, 349.186**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.501, 176.802**, and **67, 51.582, 158.212** is the 20% darker color. If you saturate the color by 10%, you get **86, 60.442, 156.705**, and if you desaturate by 10%, it is **88, 42.197, 159.582**.

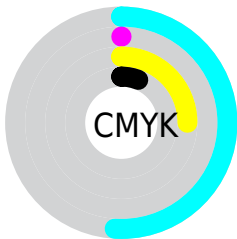
Distribution



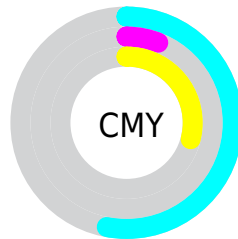
- Red (47%)
- Green (95%)
- Blue (71%)



- Red (47%)
- Yellow (78%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (6%)





- Cyan (53%)
- Magenta (6%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 51.675, 158.235 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, 51.675, 158.235 by changing the saturation by 10% instead.


 87, 51.675,
158.235

 87, 51.675,
158.235


 100, 51.675,
158.235


 77, 51.675,
158.235

 67, 51.675,
158.235

 57, 51.675,
158.235

 47, 51.675,
158.235

 37, 51.675,
158.235


 27, 51.675,
158.235


 17, 51.675,


158.235


 7, 51.675, 158.235


 0, 51.675, 158.235


 87, 51.675,
158.235


 87, 51.675,
158.235


 86, 60.442,
156.705

 88, 42.197,
159.582


 85, 68.340,
154.971

 90, 32.187,
160.772

 85, 75.269,
153.020

 91, 21.825,
161.832

 84, 81.209,
150.862

 93, 11.279,
162.794

 84, 86.001,

 95, 0.690, 164.278

148.733

 96, 7.649, 331.050

 97, 8.831, 324.714

Harmonies

Complementary

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



87, 51.675, 158.235



66, 54.568, 349.186

Rectangle

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



87, 51.675, 158.235



87, 51.675, 208.235



87, 51.675, 338.235



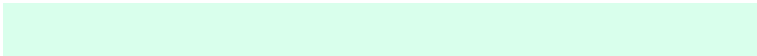
87, 51.675, 28.235

Sweetspot

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



87, 51.676, 158.234



97, 16.622, 162.381



89, 65.287, 126.720



51, 11.336, 162.178



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, 51.676, 158.234



90, 63.575, 156.619



88, 35.659, 197.136



49, 5.989, 162.904



66, 69.554, 149.160



20, 28.170, 152.934

Inverse Universe

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



66, 54.568, 349.186



65, 67.087, 350.992



64, 51.831, 25.357



47, 6.066, 344.408



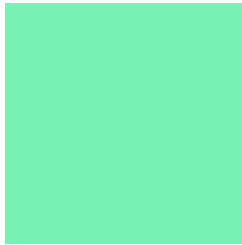
39, 66.218, 1.987



8, 29.443, 355.569

Previews

White Background



This preview shows how the CIELCh color 87, 51.675, 158.235 looks on a white background.

Color Contrast Check

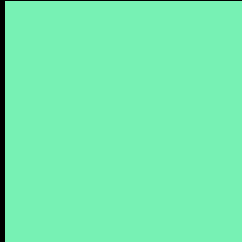
Large Text (above 18pt) WCAG AA × Fail

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, 51.675, 158.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

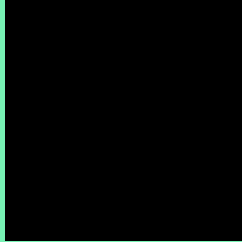
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 51.675, 158.235

Background



This preview shows how black text looks on a background with the CIELCh color 87, 51.675, 158.235.

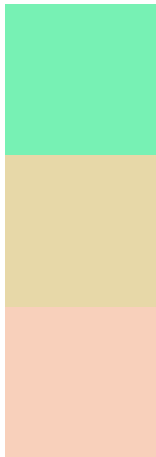


This preview shows how white text looks on a background with the CIELCh color 87, 51.675, 158.235.

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, 51.675, 158.235

Protanopia
86, 25.663, 94.719

Deuteranopia
86, 19.109, 55.039

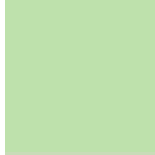


Tritanopia
87, 29.144, 216.754

Trichromacy



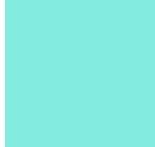
Original Color
87, 51.675, 158.235



Protanomaly
86, 30.590, 133.397



Deuteranomaly
86, 20.126, 129.312



Tritanomaly
87, 33.105, 187.114

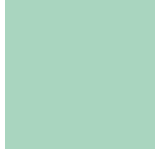
Monochromacy



Original Color
87, 51.675, 158.235



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 19.755, 161.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 51.675, 158.235 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(119, 241, 180)` looks like.

```
.text, #text, p{  
    color:rgb(119, 241, 180)  
}
```

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(119, 241, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 241, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 51.675, 158.235 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(119, 241, 180) }
```

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

```
.border{ border-color:rgb(119, 241, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 241, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 241, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 241, 180); box-shadow:4px 4px 4px 4px rgb(119, 241, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 51.675, 158.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 241, 180) }
```

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

```
.background{ background-color: rgb(119,  
241, 180) }
```

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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