

Converting Colors

CIELCh(87, 53.088, 158.156)

Have a look what the booklet for
CIELCh(87, 53.088, 158.156)
contains.

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Color

CIELCh(87, 52.820, 158.405)

Conversions

Conversions Part 1

Format	Color
Hex	73F1B3
RGB	115, 241, 179
RGB Percent	45%, 95%, 70%
CMY	0.5479, 0.0538, 0.2970
CMYK	0.52, 0.00, 0.26, 0.05
HSL	150°, 82%, 70%
HSV	150°, 52%, 95%
XYZ	46.8096, 70.0064, 53.8327
YIQ	196.2580, -55.1940, -45.9940

Conversions

Conversions Part 2

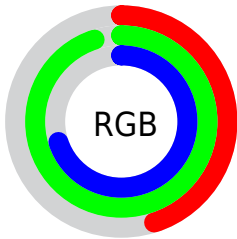
Format	Color
R_{YB}	115, 199, 241
Decimal	7598515
CIE _{Lab}	87.00, -49.11, 19.44
CIE _{LCh}	87, 52.820, 158.405
Yxy	70.0064, 0.2743, 0.4102
Android (android.graphics.Color)	4285788595 (0xFF73F1B3)
YUV	196.2580, -8.5082, -71.2633
Hunter-Lab	83.6698, -46.5593, 20.4220

Details

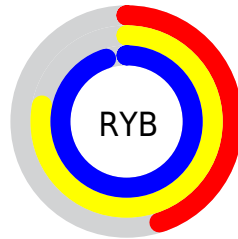
The CIELCh color **87, 52.820, 158.405** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 55.961, 349.914**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.832, 176.617**, and **67, 52.768, 158.352** is the 20% darker color. If you saturate the color by 10%, you get **86, 61.398, 156.843**, and if you desaturate by 10%, it is **88, 43.503, 159.781**.

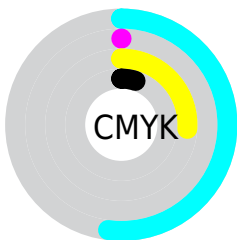
Distribution



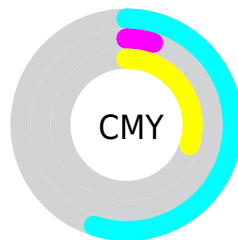
- Red (45%)
- Green (95%)
- Blue (70%)



- Red (45%)
- Yellow (78%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)



- Cyan (55%)
- Magenta (5%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 52.820, 158.405 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, 52.820, 158.405 by changing the saturation by 10% instead.

■ 87, 52.820,
158.405

■ 87, 52.820,
158.405

■ 100, 52.820,
158.405

■ 77, 52.820,
158.405

■ 67, 52.820,
158.405

■ 57, 52.820,
158.405

■ 47, 52.820,
158.405

■ 37, 52.820,
158.405


■ 27, 52.820,
158.405

■ 17, 52.820,


158.405

 7, 52.820, 158.405


 0, 52.820, 158.405


 87, 52.820,
158.405


 87, 52.820,
158.405


 86, 61.398,
156.843

 88, 43.503,
159.781


 85, 69.086,
155.074

 90, 33.621,
160.997

 85, 75.798,
153.089

 91, 23.356,
162.079

 84, 81.531,
150.898

 93, 12.877,
163.058

 84, 85.443,

 95, 2.330, 164.090

149.119

 97, 6.792, 335.679

 97, 8.547, 324.703

Harmonies

Complementary

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



87, 52.820, 158.405



65, 55.961, 349.914

Rectangle

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



87, 52.820, 158.405



87, 52.820, 208.405



87, 52.820, 338.405



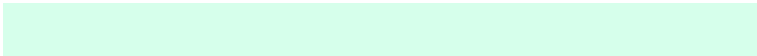
87, 52.820, 28.405

Sweetspot

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



87, 52.821, 158.404



97, 17.627, 162.693



89, 67.241, 126.661



51, 11.895, 162.491



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, 52.821, 158.404



90, 64.841, 156.681



89, 36.484, 197.088



49, 5.956, 163.315



66, 69.003, 149.549



20, 27.961, 153.325

Inverse Universe

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



65, 55.961, 349.914



64, 68.582, 351.898



64, 53.733, 25.701



47, 6.035, 344.828



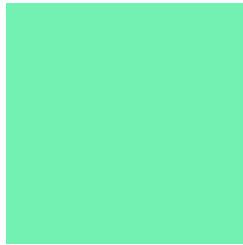
39, 66.144, 2.717



8, 29.374, 356.162

Previews

White Background



This preview shows how the CIE LCh color 87, 52.820, 158.405 looks on a white background.

Color Contrast Check

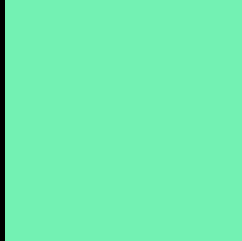
Large Text (above 18pt) WCAG AA × Fail

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, 52.820, 158.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

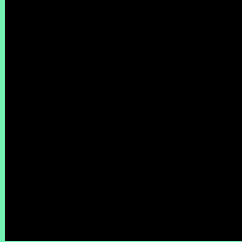
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

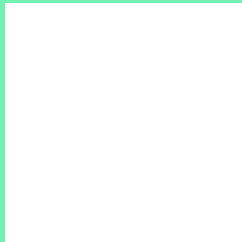
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 52.820, 158.405

Background



This preview shows how black text looks on a background with the CIELCh color 87, 52.820, 158.405.

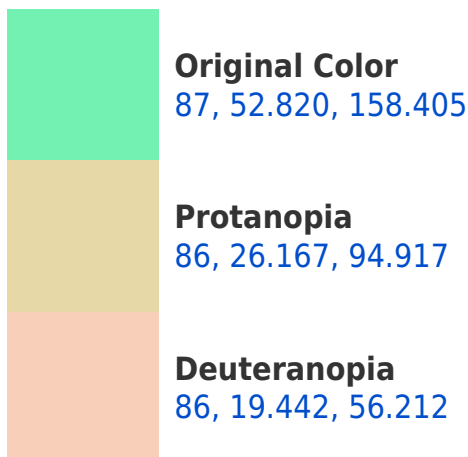



This preview shows how white text looks on a background with the CIELCh color 87, 52.820, 158.405.

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, 29.890, 217.308

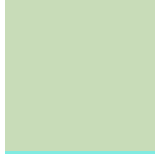
Trichromacy



Original Color
87, 52.820, 158.405



Protanomaly
86, 31.224, 133.574



Deuteranomaly
85, 20.268, 130.273

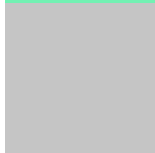


Tritanomaly
87, 33.644, 188.152

Monochromacy



Original Color
87, 52.820, 158.405



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 20.308, 162.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 52.820, 158.405 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(115, 241, 179)` looks like.

```
.text, #text, p{  
    color:rgb(115, 241, 179)  
}
```

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(115, 241, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 241, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 52.820, 158.405 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(115, 241, 179) }
```

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

```
.border{ border-color:rgb(115, 241, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 241, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 241, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 241, 179);  
box-shadow:4px 4px 4px 4px rgb(115, 241,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 52.820, 158.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 241, 179) }
```

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

```
.background{ background-color: rgb(115,  
241, 179) }
```

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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