

Converting Colors

CIELCh(87, 52.234, 159.943)

Have a look what the booklet for
CIELCh(87, 52.234, 159.943)
contains.

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Color

CIELCh(87, 52.117, 159.945)

Conversions

Conversions Part 1

Format	Color
Hex	71F1B6
RGB	113, 241, 182
RGB Percent	44%, 95%, 71%
CMY	0.5557, 0.0537, 0.2852
CMYK	0.53, 0.00, 0.24, 0.05
HSL	152°, 82%, 70%
HSV	152°, 53%, 95%
XYZ	46.8650, 70.0064, 55.4498
YIQ	196.0020, -57.3490, -45.4850

Conversions

Conversions Part 2

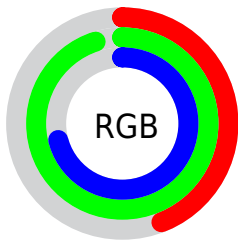
Format	Color
RYB	113, 196, 241
Decimal	7467446
CIELab	87.00, -48.96, 17.87
CIELCh	87, 52.117, 159.945
Yxy	70.0064, 0.2720, 0.4063
Android (android.graphics.Color)	4285657526 (0xFF71F1B6)
YUV	196.0020, -6.9030, -72.7928
Hunter-Lab	83.6698, -46.4411, 19.2761

Details

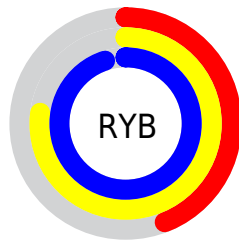
The CIELCh color **87, 52.117, 159.945** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 55.929, 352.056**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.695, 179.783**, and **67, 52.101, 160.009** is the 20% darker color. If you saturate the color by 10%, you get **86, 60.318, 158.364**, and if you desaturate by 10%, it is **88, 43.159, 161.340**.

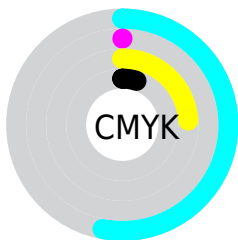
Distribution



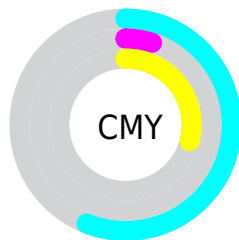
- Red (44%)
- Green (95%)
- Blue (71%)



- Red (44%)
- Yellow (77%)
- Blue (95%)



- Cyan (53%)
- Magenta (0%)
- Yellow (24%)
- Black (5%)





- Cyan (56%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 52.117, 159.945 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, 52.117, 159.945 by changing the saturation by 10% instead.

 87, 52.117,
159.945


 87, 52.117,
159.945


 100, 52.117,
159.945


 77, 52.117,
159.945

 67, 52.117,
159.945

 57, 52.117,
159.945


 47, 52.117,
159.945


 37, 52.117,
159.945


 27, 52.117,
159.945


 17, 52.117,


159.945


 7, 52.117, 159.945


 0, 52.117, 159.945


 87, 52.117,
159.945


 87, 52.117,
159.945


 86, 60.318,
158.364


 88, 43.159,
161.340

 85, 67.623,
156.578


 89, 33.609,
162.578

 85, 73.959,
154.574

 91, 23.647,
163.684

 85, 79.340,
152.363

 93, 13.439,
164.686

 84, 82.646,

 95, 3.130, 165.698

150.764

 96, 6.278, 340.649

 97, 8.537, 324.702

Harmonies

Complementary

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



87, 52.117, 159.945



65, 55.929, 352.056

Rectangle

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



87, 52.117, 159.945



87, 52.117, 209.945



87, 52.117, 339.945



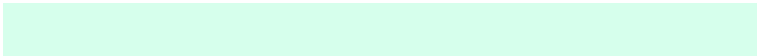
87, 52.117, 29.945

Sweetspot

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



87, 52.118, 159.944



97, 17.228, 164.393



89, 68.853, 127.795



51, 11.623, 164.188



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, 52.118, 159.944



90, 63.816, 158.170



87, 35.582, 200.778



49, 5.825, 165.028



66, 66.755, 151.196



20, 27.111, 154.972

Inverse Universe

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



65, 55.929, 352.056



63, 68.540, 354.256



64, 53.347, 27.889



47, 5.913, 346.578



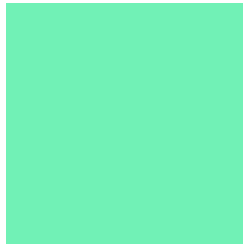
39, 65.972, 5.708



8, 29.132, 358.606

Previews

White Background



This preview shows how the CIE LCh color 87, 52.117, 159.945 looks on a white background.

Color Contrast Check

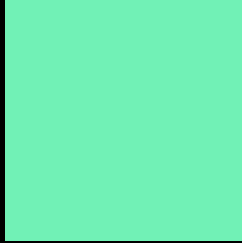
Large Text (above 18pt) WCAG AA × Fail

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, 52.117, 159.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

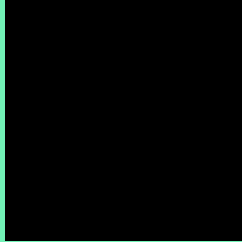
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 52.117, 159.945

Background



This preview shows how black text looks on a background with the CIELCh color 87, 52.117, 159.945.

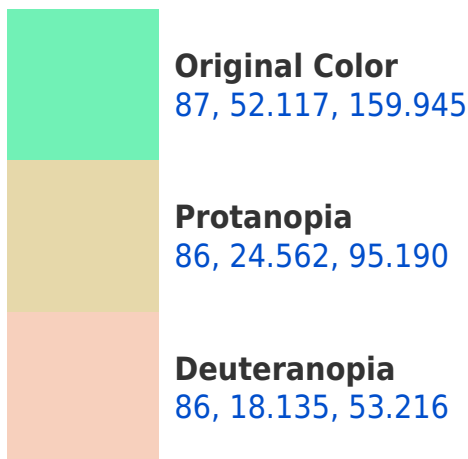



This preview shows how white text looks on a background with the CIELCh color 87, 52.117, 159.945.

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, 30.324, 216.992

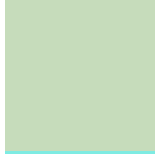
Trichromacy



Original Color
87, 52.117, 159.945



Protanomaly
86, 30.007, 135.469



Deuteranomaly
85, 19.141, 134.022

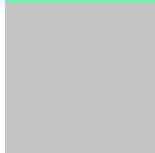


Tritanomaly
87, 33.944, 189.113

Monochromacy



Original Color
87, 52.117, 159.945



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 19.995, 164.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 52.117, 159.945 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(113, 241, 182)` looks like.

```
.text, #text, p{  
    color:rgb(113, 241, 182)  
}
```

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(113, 241, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 241, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 52.117, 159.945 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(113, 241, 182) }
```

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

```
.border{ border-color:rgb(113, 241, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 241, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 241, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 241, 182);  
box-shadow:4px 4px 4px 4px rgb(113, 241,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 52.117, 159.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 241, 182) }
```

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

```
.background{ background-color: rgb(113,  
241, 182) }
```

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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