

Converting Colors

CIELCh(87, 62.705, 153.209)

Have a look what the booklet for
CIELCh(87, 62.705, 153.209)
contains.

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Color

CIELCh(87, 62.785, 153.120)

Conversions

Conversions Part 1

Format	Color
Hex	68F4A2
RGB	104, 244, 162
RGB Percent	41%, 96%, 64%
CMY	0.5936, 0.0445, 0.3660
CMYK	0.57, 0.00, 0.34, 0.04
HSL	145°, 86%, 68%
HSV	145°, 57%, 96%
XYZ	44.4020, 70.0064, 45.2036
YIQ	192.7920, -57.1180, -55.1820

Conversions

Conversions Part 2

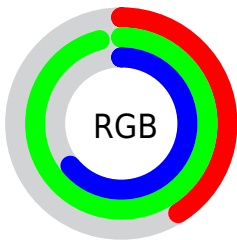
Format	Color
RYB	104, 203, 244
Decimal	6878370
CIELab	87.00, -56.00, 28.39
CIElCh	87, 62.785, 153.120
Yxy	70.0064, 0.2782, 0.4386
Android (android.graphics.Color)	4285068450 (0xFF68F4A2)
YUV	192.7920, -15.1805, -77.8706
Hunter-Lab	83.6698, -51.6955, 26.5367

Details

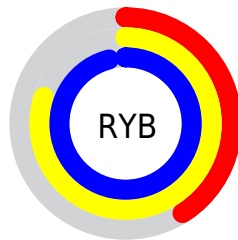
The CIELCh color **87, 62.785, 153.120** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64, 64.407, 345.085**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 36.285, 164.507**, and **67, 62.780, 153.144** is the 20% darker color. If you saturate the color by 10%, you get **86, 71.871, 151.477**, and if you desaturate by 10%, it is **88, 52.849, 154.562**.

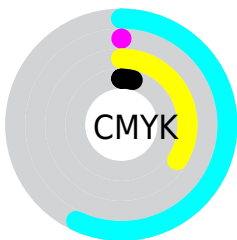
Distribution



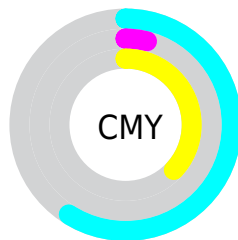
- Red (41%)
- Green (96%)
- Blue (64%)



- Red (41%)
- Yellow (80%)
- Blue (96%)



- Cyan (57%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)





- Cyan (59%)
- Magenta (4%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 62.785, 153.120 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, 62.785, 153.120 by changing the saturation by 10% instead.


 87, 62.785,
153.120


 87, 62.785,
153.120


 100, 62.785,
153.120


 77, 62.785,
153.120

 67, 62.785,
153.120

 57, 62.785,
153.120

 47, 62.785,
153.120

 37, 62.785,
153.120


 27, 62.785,
153.120


 17, 62.785,


153.120


 7, 62.785, 153.120


 0, 62.785, 153.120

 87, 62.785,
153.120


 87, 62.785,
153.120


 86, 71.871,
151.477


 88, 52.849,
154.562


 86, 79.955,
149.624

 89, 42.254,
155.824

 85, 86.955,
147.572

 91, 31.204,
156.930

 85, 92.896,
145.374

 93, 19.892,
157.907

 85, 94.290,

 95, 8.488, 158.793

144.833

 97, 2.870, 339.353

 97, 7.069, 324.644

Harmonies

Complementary

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



87, 62.785, 153.120



64, 64.407, 345.085

Rectangle

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



87, 62.785, 153.120



87, 62.785, 203.120



87, 62.785, 333.120



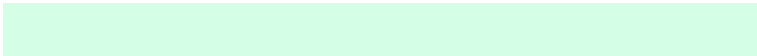
87, 62.785, 23.120

Sweetspot

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



87, 62.786, 153.120



96, 20.083, 157.946



90, 71.972, 122.760



51, 13.432, 157.759



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, 62.786, 153.120



90, 75.889, 151.178



88, 41.371, 186.497



50, 6.487, 158.617



66, 76.369, 145.234



21, 31.520, 148.732

Inverse Universe

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



64, 64.407, 345.085



62, 76.590, 346.955



62, 58.328, 19.772



48, 6.544, 340.015



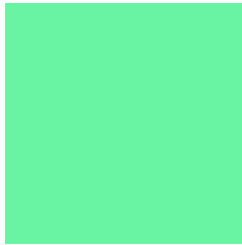
41, 68.554, 354.185



9, 31.277, 349.542

Previews

White Background



This preview shows how the CIE LCh color 87, 62.785, 153.120 looks on a white background.

Color Contrast Check

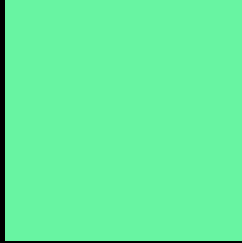
Large Text (above 18pt) WCAG AA × Fail

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, 62.785, 153.120 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, 62.785, 153.120

Background



This preview shows how black text looks on a background with the CIELCh color 87, 62.785, 153.120.

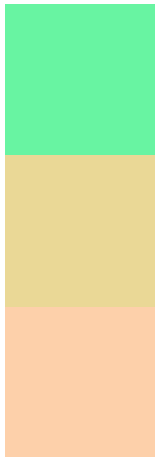


This preview shows how white text looks on a background with the CIELCh color 87, 62.785, 153.120.

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, 62.785, 153.120

Protanopia
86, 34.964, 95.227

Deuteranopia
86, 27.001, 66.857

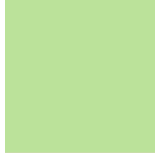


Tritanopia
87, 31.116, 215.386

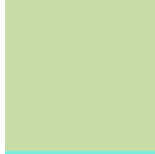
Trichromacy



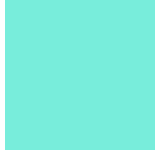
Original Color
87, 62.785, 153.120



Protanomaly
86, 40.097, 129.042



Deuteranomaly
85, 29.305, 124.548



Tritanomaly
87, 37.484, 182.272

Monochromacy



Original Color
87, 62.785, 153.120



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 24.515, 157.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 62.785, 153.120 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(104, 244, 162)` looks like.

```
.text, #text, p{  
    color:rgb(104, 244, 162)  
}
```

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(104, 244, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 244, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 62.785, 153.120 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(104, 244, 162) }
```

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

```
.border{ border-color:rgb(104, 244, 162) }
```

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

Here you see how a box with a 4 pixel rgb(104, 244, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 244, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 244, 162);  
box-shadow:4px 4px 4px 4px rgb(104, 244,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 62.785, 153.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 244, 162) }
```

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

```
.background{ background-color: rgb(104,  
244, 162) }
```

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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