

Converting Colors

CIELCh(87, 60.140, 156.212)

Have a look what the booklet for
CIELCh(87, 60.140, 156.212)
contains.

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Color

CIELCh(87, 59.735, 156.339)

Conversions

Conversions Part 1

Format	Color
Hex	65F3AA
RGB	101, 243, 170
RGB Percent	40%, 95%, 67%
CMY	0.6025, 0.0457, 0.3321
CMYK	0.58, 0.00, 0.30, 0.05
HSL	149°, 86%, 68%
HSV	149°, 58%, 95%
XYZ	44.8457, 70.0064, 49.3350
YIQ	192.2200, -61.1990, -52.8070

Conversions

Conversions Part 2

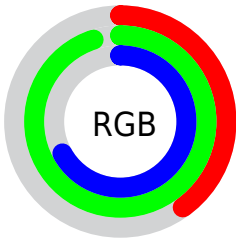
Format	Color
RYB	101, 197, 243
Decimal	6681514
CIELab	87.00, -54.71, 23.97
CIELCh	87, 59.735, 156.339
Yxy	70.0064, 0.2731, 0.4264
Android (android.graphics.Color)	4284871594 (0xFF65F3AA)
YUV	192.2200, -10.9545, -79.9999
Hunter-Lab	83.6698, -50.7489, 23.6092

Details

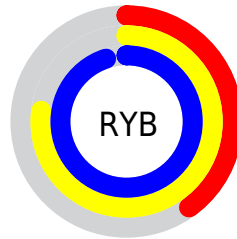
The CIELCh color **87, 59.735, 156.339** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **63, 62.737, 349.542**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.320, 171.389**, and **67, 60.014, 156.126** is the 20% darker color. If you saturate the color by 10%, you get **86, 68.054, 154.654**, and if you desaturate by 10%, it is **88, 50.573, 157.822**.

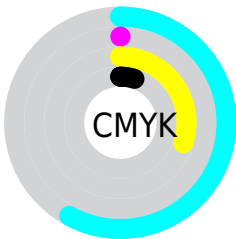
Distribution



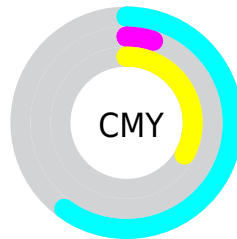
- Red (40%)
- Green (95%)
- Blue (67%)



- Red (40%)
- Yellow (77%)
- Blue (95%)



- Cyan (58%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)





- Cyan (60%)
- Magenta (5%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 59.735, 156.339 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, 59.735, 156.339 by changing the saturation by 10% instead.


 87, 59.735,
156.339

 87, 59.735,
156.339


 100, 59.735,
156.339


 77, 59.735,
156.339

 67, 59.735,
156.339

 57, 59.735,
156.339

 47, 59.735,
156.339

 37, 59.735,
156.339


 27, 59.735,
156.339


 17, 59.735,


156.339


 7, 59.735, 156.339


 0, 59.735, 156.339

 87, 59.735,
156.339

 87, 59.735,
156.339


 86, 68.054,
154.654


 88, 50.573,
157.822


 86, 75.405,
152.755

 89, 40.733,
159.127

 85, 81.745,
150.644

 91, 30.404,
160.280

 85, 87.152,
148.373

 92, 19.770,
161.307

 85, 88.001,

 94, 8.992, 162.245

148.006

 96, 1.791, 342.754

 97, 7.261, 324.652

Harmonies

Complementary

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



87, 59.735, 156.339



63, 62.737, 349.542

Rectangle

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



87, 59.735, 156.339



87, 59.735, 206.339



87, 59.735, 336.339



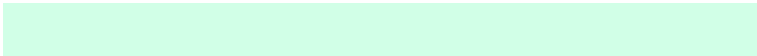
87, 59.735, 26.339

Sweetspot

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



87, 59.736, 156.339



96, 20.152, 161.336



89, 74.470, 125.869



51, 13.992, 161.048



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, 59.736, 156.339



90, 71.983, 154.323



89, 39.823, 195.092



50, 6.157, 162.139



66, 71.353, 148.420



21, 29.520, 151.992

Inverse Universe

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



63, 62.737, 349.542



61, 74.702, 351.875



61, 60.913, 26.039



48, 6.232, 343.629



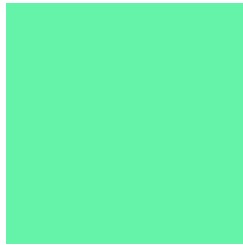
40, 67.071, 0.664



9, 30.397, 354.787

Previews

White Background



This preview shows how the CIE LCh color 87, 59.735, 156.339 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, 59.735, 156.339 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, 59.735, 156.339

Background



This preview shows how black text looks on a background with the CIELCh color 87, 59.735, 156.339.

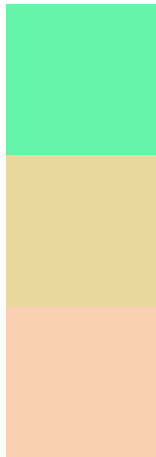


This preview shows how white text looks on a background with the CIELCh color 87, 59.735, 156.339.

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, 59.735, 156.339

Protanopia

86, 30.786, 95.601

Deuteranopia

86, 22.958, 62.816



Tritanopia
87, 32.016, 215.828

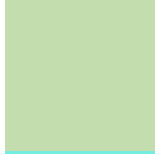
Trichromacy



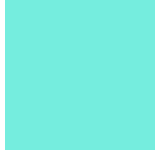
Original Color
87, 59.735, 156.339



Protanomaly
86, 36.846, 133.021



Deuteranomaly
85, 25.800, 129.645

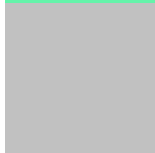


Tritanomaly
87, 37.503, 184.756

Monochromacy



Original Color
87, 59.735, 156.339



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 23.075, 160.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 59.735, 156.339 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(101, 243, 170)` looks like.

```
.text, #text, p{  
    color:rgb(101, 243, 170)  
}
```

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(101, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 243, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 59.735, 156.339 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(101, 243, 170) }
```

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

```
.border{ border-color:rgb(101, 243, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 243, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 243, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 243, 170);  
box-shadow:4px 4px 4px 4px rgb(101, 243,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 59.735, 156.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 243, 170) }
```

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

```
.background{ background-color: rgb(101,  
243, 170) }
```

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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