

Converting Colors

CIELCh(87, 68.624, 149.852)

Have a look what the booklet for
CIELCh(87, 68.624, 149.852)
contains.

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Color

CIELCh(87, 68.587, 149.915)

Conversions

Conversions Part 1

Format	Color
Hex	64F596
RGB	100, 245, 150
RGB Percent	39%, 96%, 59%
CMY	0.6091, 0.0404, 0.4128
CMYK	0.59, 0.00, 0.39, 0.04
HSL	141°, 88%, 68%
HSV	141°, 59%, 96%
XYZ	43.2632, 70.0064, 39.9707
YIQ	190.8150, -55.9250, -60.2850

Conversions

Conversions Part 2

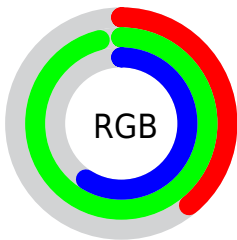
Format	Color
RYB	100, 208, 245
Decimal	6616470
CIELab	87.00, -59.35, 34.38
CIELCh	87, 68.587, 149.915
Yxy	70.0064, 0.2823, 0.4568
Android (android.graphics.Color)	4284806550 (0xFF64F596)
YUV	190.8150, -20.1218, -79.6448
Hunter-Lab	83.6698, -54.1251, 30.2449

Details

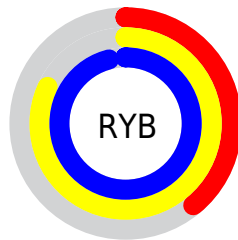
The CIELCh color **87, 68.587, 149.915** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64, 69.042, 341.474**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 41.096, 158.184**, and **67, 68.800, 149.863** is the 20% darker color. If you saturate the color by 10%, you get **86, 78.146, 148.274**, and if you desaturate by 10%, it is **88, 58.097, 151.358**.

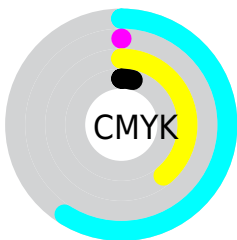
Distribution



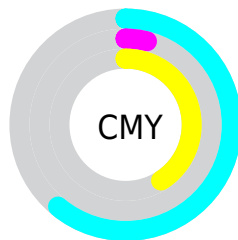
- Red (39%)
- Green (96%)
- Blue (59%)



- Red (39%)
- Yellow (82%)
- Blue (96%)



- Cyan (59%)
- Magenta (0%)
- Yellow (39%)
- Black (4%)



- Cyan (61%)
- Magenta (4%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 68.587, 149.915 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, 68.587, 149.915 by changing the saturation by 10% instead.

■ 87, 68.587,
149.915

■ 87, 68.587,
149.915

■ 100, 68.587,
149.915

■ 77, 68.587,
149.915

■ 67, 68.587,
149.915

■ 57, 68.587,
149.915

■ 47, 68.587,
149.915

■ 37, 68.587,
149.915


■ 27, 68.587,
149.915


■ 17, 68.587,


149.915


 7, 68.587, 149.915


 0, 68.587, 149.915

 87, 68.587,
149.915


 87, 68.587,
149.915


 86, 78.146,
148.274


 88, 58.097,
151.358


 86, 86.596,
146.437


 89, 46.888,
152.618


 85, 93.831,
144.435

 91, 35.187,
153.714

 85, 99.876,
142.364

 93, 23.207,
154.672

 85, 100.287,

 94, 11.134,

142.221

155.524

 97, 0.883, 335.755

 97, 6.412, 324.617

Harmonies

Complementary

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



87, 68.587, 149.915



64, 69.042, 341.474

Rectangle

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



87, 68.587, 149.915



87, 68.587, 199.915



87, 68.587, 329.915



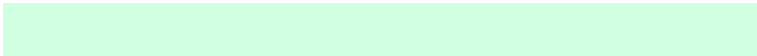
87, 68.587, 19.915

Sweetspot

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



87, 68.588, 149.915



96, 22.414, 154.782



91, 73.024, 120.017



51, 15.576, 154.519



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, 68.588, 149.915



89, 82.361, 147.942



88, 44.539, 179.999



50, 6.830, 155.507



66, 80.974, 142.602



21, 33.427, 145.954

Inverse Universe

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



64, 69.042, 341.474



62, 81.082, 343.067



62, 59.620, 15.232



48, 6.873, 336.818



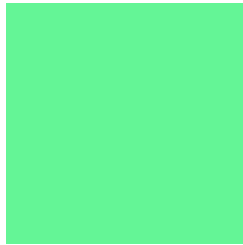
41, 70.913, 348.361



9, 32.405, 344.861

Previews

White Background



This preview shows how the CIE LCh color 87, 68.587, 149.915 looks on a white background.

Color Contrast Check

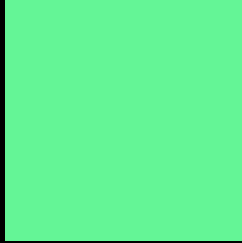
Large Text (above 18pt) WCAG AA × Fail

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, 68.587, 149.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

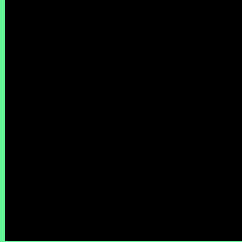
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 68.587, 149.915

Background



This preview shows how black text looks on a background with the CIELCh color 87, 68.587, 149.915.

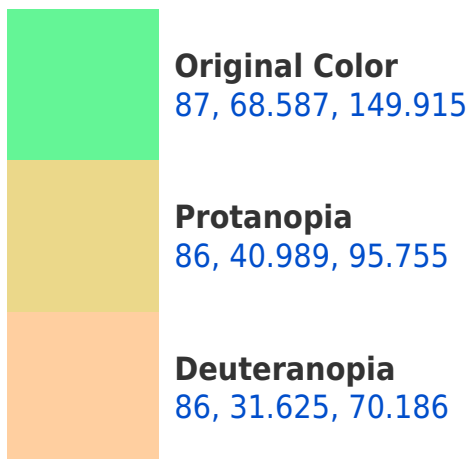


This preview shows how white text looks on a background with the CIELCh color 87, 68.587, 149.915.

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, 31.328, 215.249

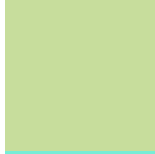
Trichromacy



Original Color
87, 68.587, 149.915



Protanomaly
85, 45.853, 126.462



Deuteranomaly
85, 34.711, 121.623

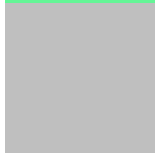


Tritanomaly
87, 39.084, 178.769

Monochromacy



Original Color
87, 68.587, 149.915



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 26.926, 153.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 68.587, 149.915 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(100, 245, 150)` looks like.

```
.text, #text, p{  
    color:rgb(100, 245, 150)  
}
```

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(100, 245, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 245, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 68.587, 149.915 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(100, 245, 150) }
```

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

```
.border{ border-color:rgb(100, 245, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 245, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 245, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 245, 150);  
box-shadow:4px 4px 4px 4px rgb(100, 245,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 68.587, 149.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 245, 150) }
```

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

```
.background{ background-color: rgb(100,  
245, 150) }
```

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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