

Converting Colors

CIELCh(87, 65.088, 146.995)

Have a look what the booklet for
CIELCh(87, 65.088, 146.995)
contains.

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Color

CIELCh(87, 65.088, 146.995)

Conversions

Conversions Part 1

Format	Color
Hex	77F394
RGB	119, 243, 148
RGB Percent	47%, 95%, 58%
CMY	0.5342, 0.0479, 0.4204
CMYK	0.51, 0.00, 0.39, 0.05
HSL	134°, 84%, 71%
HSV	134°, 51%, 95%
XYZ	44.8904, 70.0064, 39.0792
YIQ	195.0940, -43.4090, -55.8330

Conversions

Conversions Part 2

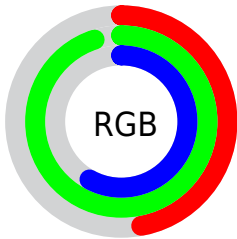
Format	Color
RYB	119, 219, 243
Decimal	7861140
CIELab	87.00, -54.58, 35.45
CIELCh	87, 65.088, 146.995
Yxy	70.0064, 0.2915, 0.4547
Android (android.graphics.Color)	4286051220 (0xFF77F394)
YUV	195.0940, -23.2173, -66.7344
Hunter-Lab	83.6698, -50.6537, 30.8766

Details

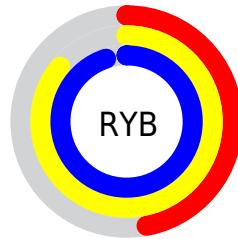
The CIELCh color **87, 65.088, 146.995** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67, 65.040, 335.378**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 38.117, 152.778**, and **67, 65.148, 146.948** is the 20% darker color. If you saturate the color by 10%, you get **86, 76.319, 145.592**, and if you desaturate by 10%, it is **88, 53.016, 148.225**.

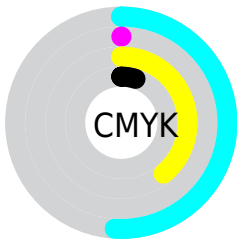
Distribution



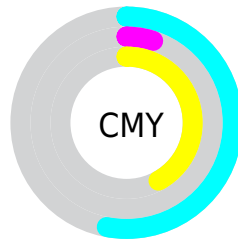
- Red (47%)
- Green (95%)
- Blue (58%)



- Red (47%)
- Yellow (86%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (39%)
- Black (5%)



- Cyan (53%)
- Magenta (5%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 65.088, 146.995 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, 65.088, 146.995 by changing the saturation by 10% instead.

■ 87, 65.088,
146.995

■ 87, 65.088,
146.995

■ 100, 65.088,
146.995

■ 77, 65.088,
146.995

■ 67, 65.088,
146.995

■ 57, 65.088,
146.995

■ 47, 65.088,
146.995

■ 37, 65.088,
146.995


■ 27, 65.088,
146.995


■ 17, 65.088,


146.995


 7, 65.088, 146.995


 0, 65.088, 146.995


 87, 65.088,
146.995


 87, 65.088,
146.995


 86, 76.319,
145.592


 88, 53.016,
148.225


 85, 86.430,
144.020


 90, 40.376,
149.292

 85, 95.170,
142.311

 91, 27.421,
150.214

 84, 102.338,
140.536

 93, 14.365,
151.019

 84, 107.358,

 96, 1.380, 151.946

139.027



97, 7.611, 324.666

Harmonies

Complementary

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



87, 65.088, 146.995



67, 65.040, 335.378

Rectangle

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



87, 65.088, 146.995



87, 65.088, 196.995



87, 65.088, 326.995



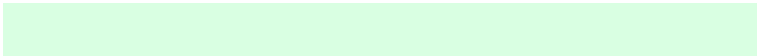
87, 65.088, 16.995

Sweetspot

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



87, 65.089, 146.995



97, 20.278, 150.712



91, 62.373, 116.061



51, 13.844, 150.542



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, 65.089, 146.995



90, 79.302, 145.579



88, 42.823, 172.795



50, 7.413, 151.139



66, 87.333, 139.329



21, 36.273, 142.276

Inverse Universe

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



67, 65.040, 335.378



66, 78.330, 336.225



65, 51.056, 5.488



48, 7.441, 332.330



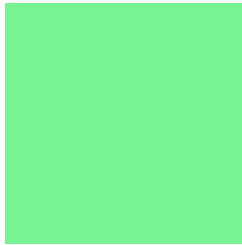
42, 76.198, 340.310



10, 34.650, 338.353

Previews

White Background



This preview shows how the CIE LCh color 87, 65.088, 146.995 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, 65.088, 146.995 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

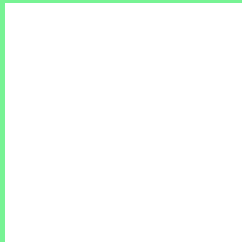
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 65.088, 146.995

Background



This preview shows how black text looks on a background with the CIELCh color 87, 65.088, 146.995.

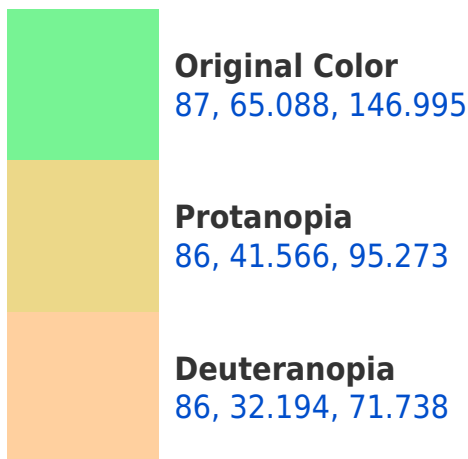


This preview shows how white text looks on a background with the CIELCh color 87, 65.088, 146.995.

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



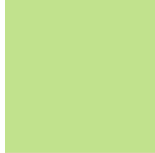


Tritanopia
87, 27.776, 217.819

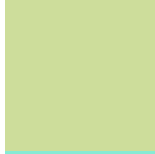
Trichromacy



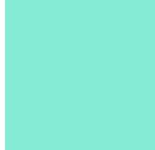
Original Color
87, 65.088, 146.995



Protanomaly
86, 45.421, 123.135



Deuteranomaly
86, 34.667, 117.713

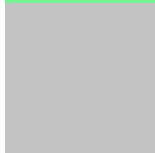


Tritanomaly
87, 34.968, 176.826

Monochromacy



Original Color
87, 65.088, 146.995



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 24.547, 150.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 65.088, 146.995 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(119, 243, 148)` looks like.

```
.text, #text, p{  
    color:rgb(119, 243, 148)  
}
```

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(119, 243, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 243, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 65.088, 146.995 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(119, 243, 148) }
```

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

```
.border{ border-color:rgb(119, 243, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 243, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 243, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 243, 148);  
box-shadow:4px 4px 4px 4px rgb(119, 243,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 65.088, 146.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 243, 148) }
```

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

```
.background{ background-color: rgb(119,  
243, 148) }
```

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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