

Converting Colors

CIELCh(85, 66.282, 145.008)

Have a look what the booklet for
CIELCh(85, 66.282, 145.008)
contains.

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Color

CIELCh(85, 66.549, 144.868)

Conversions

Conversions Part 1

Format	Color
Hex	75ED89
RGB	117, 237, 137
RGB Percent	46%, 93%, 54%
CMY	0.5421, 0.0714, 0.4635
CMYK	0.51, 0.00, 0.42, 0.07
HSL	130°, 77%, 69%
HSV	130°, 51%, 93%
XYZ	42.0269, 66.0070, 34.1167
YIQ	189.7200, -39.4200, -56.5400

Conversions

Conversions Part 2

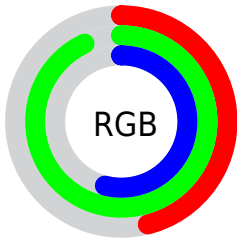
Format	Color
RYB	117, 220, 237
Decimal	7728521
CIELab	85.00, -54.43, 38.30
CIELCh	85, 66.549, 144.868
Yxy	66.0070, 0.2957, 0.4643
Android (android.graphics.Color)	4285918601 (0xFF75ED89)
YUV	189.7200, -25.9910, -63.7754
Hunter-Lab	81.2447, -49.8425, 31.9739

Details

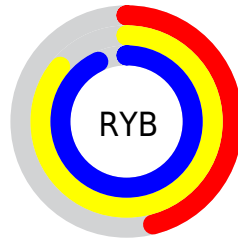
The CIELCh color **85, 66.549, 144.868** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66, 66.223, 332.642**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 43.279, 147.785**, and **65, 66.636, 144.803** is the 20% darker color. If you saturate the color by 10%, you get **84, 78.103, 143.531**, and if you desaturate by 10%, it is **86, 54.097, 146.049**.

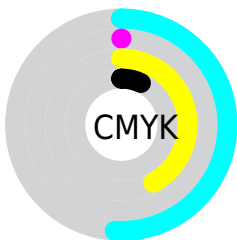
Distribution



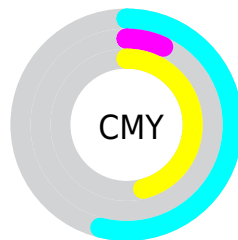
- Red (46%)
- Green (93%)
- Blue (54%)



- Red (46%)
- Yellow (86%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)




- Cyan (54%)
- Magenta (7%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 66.549, 144.868 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 85, 66.549, 144.868 by changing the saturation by 10% instead.


 85, 66.549,
144.868

 85, 66.549,
144.868


 100, 66.549,
144.868


 75, 66.549,
144.868

 65, 66.549,
144.868

 55, 66.549,
144.868

 45, 66.549,
144.868

 35, 66.549,
144.868


 25, 66.549,
144.868


 15, 66.549,


144.868


 5, 66.549, 144.868


 0, 66.549, 144.868

 85, 66.549,
144.868


 85, 66.549,
144.868

 84, 78.103,
143.531


 86, 54.097,
146.049


 83, 88.427,
142.057

 88, 41.054,
147.076

 83, 97.195,
140.501

 89, 27.696,
147.963


 82, 104.114,
138.956

 91, 14.250,
148.731

 82, 108.768,

 94, 0.896, 149.737

137.684

 96, 11.364,
324.809

Harmonies

Complementary

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



85, 66.549, 144.868



66, 66.223, 332.642

Rectangle

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



85, 66.549, 144.868



85, 66.549, 194.868



85, 66.549, 324.868



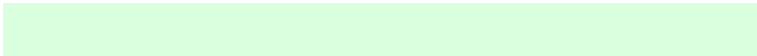
85, 66.549, 14.868

Sweetspot

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



85, 66.550, 144.868



97, 21.296, 148.407



90, 60.137, 113.115



51, 14.540, 148.244



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 66.550, 144.868



90, 83.261, 143.451



86, 44.120, 168.092



48, 7.515, 148.819



64, 88.426, 137.935



18, 35.102, 141.380

Inverse Universe

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



66, 66.223, 332.642



66, 81.905, 333.360



64, 50.357, 0.454



46, 7.536, 329.947



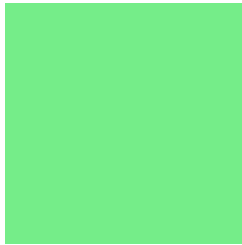
41, 78.469, 336.192



9, 34.236, 334.843

Previews

White Background



This preview shows how the CIELCh color 85, 66.549, 144.868 looks on a white background.

Color Contrast Check

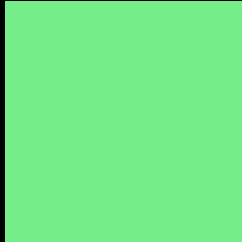
Large Text (above 18pt) WCAG AA × Fail

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 85, 66.549, 144.868 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 85, 66.549, 144.868

Background



This preview shows how black text looks on a background with the CIELCh color 85, 66.549, 144.868.

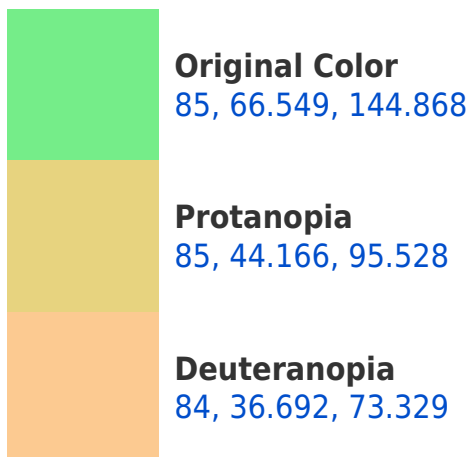


This preview shows how white text looks on a background with the CIELCh color 85, 66.549, 144.868.

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



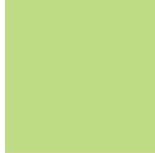


Tritanopia
85, 26.490, 220.263

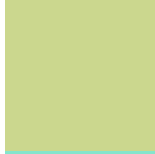
Trichromacy



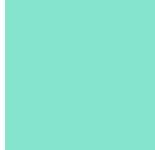
Original Color
85, 66.549, 144.868



Protanomaly
84, 47.274, 121.425



Deuteranomaly
84, 38.052, 114.144

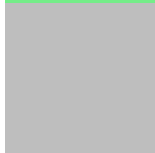


Tritanomaly
85, 34.333, 174.452

Monochromacy



Original Color
85, 66.549, 144.868



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 25.246, 148.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 66.549, 144.868 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(117, 237, 137)` looks like.

```
.text, #text, p{  
    color:rgb(117, 237, 137)  
}
```

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(117, 237, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 237, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 66.549, 144.868 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(117, 237, 137) }
```

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

```
.border{ border-color:rgb(117, 237, 137) }
```

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

Here you see how a box with a 4 pixel rgb(117, 237, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 237, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 237, 137);  
box-shadow:4px 4px 4px 4px rgb(117, 237,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 66.549, 144.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 237, 137) }
```

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

```
.background{ background-color: rgb(117,  
237, 137) }
```

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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