

Converting Colors

CIELCh(85, 66.114, 135.733)

Have a look what the booklet for
CIELCh(85, 66.114, 135.733)
contains.

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Color

CIELCh(85, 66.361, 135.672)

Conversions

Conversions Part 1

Format	Color
Hex	91EA79
RGB	145, 234, 121
RGB Percent	57%, 92%, 47%
CMY	0.4327, 0.0837, 0.5267
CMYK	0.38, 0.00, 0.48, 0.08
HSL	107°, 73%, 69%
HSV	107°, 48%, 92%
XYZ	44.3709, 66.0070, 28.3876
YIQ	194.5070, -16.7710, -54.0110

Conversions

Conversions Part 2

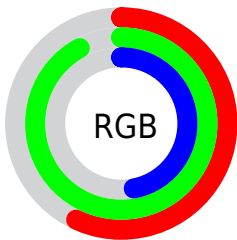
Format	Color
RYB	121, 234, 210
Decimal	9562745
CIELab	85.00, -47.47, 46.37
CIELCh	85, 66.361, 135.672
Yxy	66.0070, 0.3198, 0.4757
Android (android.graphics.Color)	4287752825 (0xFF91EA79)
YUV	194.5070, -36.2390, -43.4176
Hunter-Lab	81.2447, -44.6924, 36.1549

Details

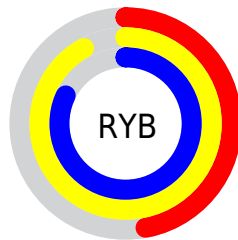
The CIELCh color **85, 66.361, 135.672** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64, 67.768, 320.500**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 45.064, 133.047**, and **65, 66.502, 135.585** is the 20% darker color. If you saturate the color by 10%, you get **84, 78.738, 135.025**, and if you desaturate by 10%, it is **86, 53.142, 136.339**.

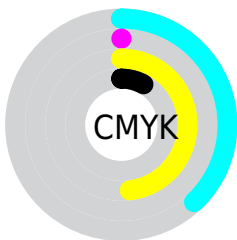
Distribution



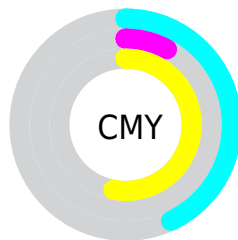
- Red (57%)
- Green (92%)
- Blue (47%)



- Red (47%)
- Yellow (92%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)





- Cyan (43%)
- Magenta (8%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 66.361, 135.672 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, 66.361, 135.672 by changing the saturation by 10% instead.


 85, 66.361,
135.672


 85, 66.361,
135.672


 100, 66.361,
135.672


 75, 66.361,
135.672

 65, 66.361,
135.672

 55, 66.361,
135.672

 45, 66.361,
135.672

 35, 66.361,
135.672


 25, 66.361,
135.672


 15, 66.361,

135.672


 5, 66.361, 135.672

 0, 66.361, 135.672


 85, 66.361,
135.672


 85, 66.361,
135.672

 84, 78.738,
135.025


 86, 53.142,
136.339


 83, 89.794,
134.478


 88, 39.437,
136.975

 82, 98.943,
134.151

 89, 25.512,
137.557

 82, 105.603,
134.175

 91, 11.560,
138.084

 82, 109.559,

 93, 2.281, 318.414

134.584

95, 13.326,
324.881

81, 110.066,
134.648

Harmonies

Complementary

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



85, 66.361, 135.672



64, 67.768, 320.500

Rectangle

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



85, 66.361, 135.672



85, 66.361, 185.672



85, 66.361, 315.672



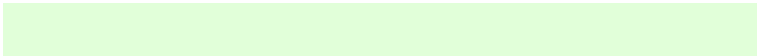
85, 66.361, 5.672

Sweetspot

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



85, 66.362, 135.673



97, 22.363, 137.736



84, 46.819, 93.492



51, 15.268, 137.621



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, 66.362, 135.673



91, 84.028, 135.029



84, 57.761, 149.113



48, 7.895, 138.027



65, 90.741, 134.489



19, 36.486, 134.761

Inverse Universe

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



64, 67.768, 320.500



65, 85.896, 320.792



66, 58.131, 337.297



46, 7.942, 318.843



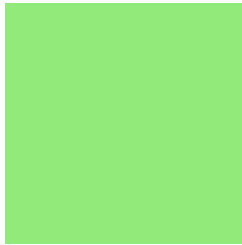
36, 91.228, 320.288



7, 38.625, 321.259

Previews

White Background



This preview shows how the CIELCh color 85, 66.361, 135.672 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, 66.361, 135.672 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, 66.361, 135.672

Background



This preview shows how black text looks on a background with the CIELCh color 85, 66.361, 135.672.

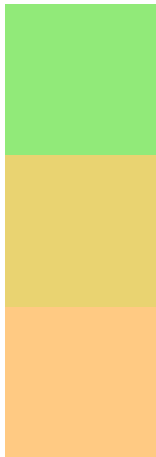


This preview shows how white text looks on a background with the CIELCh color 85, 66.361, 135.672.

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
85, 66.361, 135.672

Protanopia
85, 51.037, 95.308

Deuteranopia
85, 43.694, 76.292



Tritanopia
85, 19.799, 225.372

Trichromacy



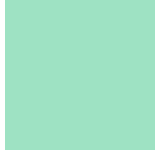
Original Color
85, 66.361, 135.672



Protanomaly
84, 52.764, 113.715



Deuteranomaly
84, 44.683, 105.750

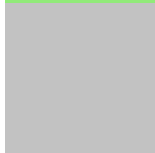


Tritanomaly
85, 28.996, 163.220

Monochromacy



Original Color
85, 66.361, 135.672



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 24.885, 137.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 66.361, 135.672 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(145, 234, 121)` looks like.

```
.text, #text, p{  
    color:rgb(145, 234, 121)  
}
```

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(145, 234, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 234, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 66.361, 135.672 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(145, 234, 121) }
```

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

```
.border{ border-color:rgb(145, 234, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 234, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 234, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 234, 121);  
box-shadow:4px 4px 4px 4px rgb(145, 234,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 66.361, 135.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 234, 121) }
```

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

```
.background{ background-color: rgb(145,  
234, 121) }
```

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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