

Converting Colors

CIELCh(85, 57.313, 129.803)

Have a look what the booklet for
CIELCh(85, 57.313, 129.803)
contains.

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Color

CIELCh(85, 57.350, 129.795)

Conversions

Conversions Part 1	
Format	Color
Hex	A9E57E
RGB	169, 229, 126
RGB Percent	66%, 90%, 49%
CMY	0.3371, 0.1018, 0.5057
CMYK	0.26, 0.00, 0.45, 0.10
HSL	95°, 66%, 70%
HSV	95°, 45%, 90%
XYZ	48.1688, 66.0070, 29.9529
YIQ	199.3180, -2.6970, -44.7530

Conversions

Conversions Part 2

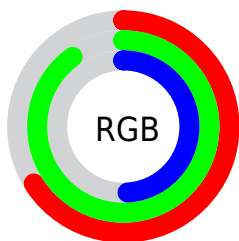
Format	Color
RYB	126, 229, 186
Decimal	11134334
CIELab	85.00, -36.71, 44.06
CIELCh	85, 57.350, 129.795
Yxy	66.0070, 0.3342, 0.4580
Android (android.graphics.Color)	4289324414 (0xFFA9E57E)
YUV	199.3180, -36.1458, -26.5889
Hunter-Lab	81.2447, -36.3482, 35.0126

Details

The CIELCh color **85, 57.350, 129.795** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **63, 60.423, 313.950**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 39.361, 123.487**, and **65, 57.419, 129.758** is the 20% darker color. If you saturate the color by 10%, you get **84, 69.172, 129.372**, and if you desaturate by 10%, it is **86, 44.934, 130.280**.

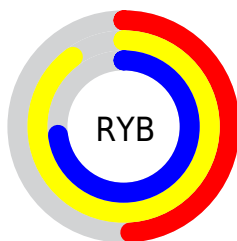
Distribution



Red (66%)

Green (90%)

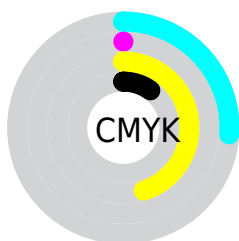
Blue (49%)



Red (49%)

Yellow (90%)

Blue (73%)

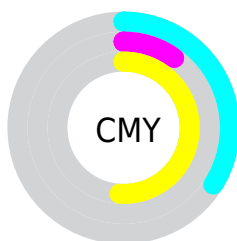


Cyan (26%)

Magenta (0%)

Yellow (45%)

Black (10%)



Cyan (34%)


Magenta (10%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 57.350, 129.795 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, 57.350, 129.795 by changing the saturation by 10% instead.


 85, 57.350,
129.795


 85, 57.350,
129.795


 100, 57.350,
129.795


 75, 57.350,
129.795

 65, 57.350,
129.795

 55, 57.350,
129.795

 45, 57.350,
129.795

 35, 57.350,
129.795


 25, 57.350,
129.795


 15, 57.350,


129.795

 5, 57.350, 129.795


 0, 57.350, 129.795


 85, 57.350,
129.795


 85, 57.350,
129.795


 84, 69.172,
129.372


 86, 44.934,
130.280

 83, 80.019,
129.085

 87, 32.185,
130.775


 82, 89.395,
129.046

 89, 19.291,
131.256


 82, 96.740,
129.386


 90, 6.383, 131.718


 92, 6.448, 312.074

 81, 101.655,

130.206

 93, 15.172,
318.414

 81, 103.426,
130.725

 94, 16.220,
324.986

Harmonies

Complementary

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



85, 57.350, 129.795



63, 60.423, 313.950

Rectangle

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



85, 57.350, 129.795



85, 57.350, 179.795



85, 57.350, 309.795



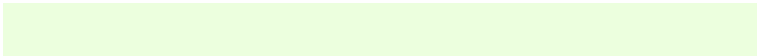
85, 57.350, 359.795

Sweetspot

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



85, 57.351, 129.796



98, 18.267, 131.344



78, 36.711, 76.292



52, 12.788, 131.241



0, 0.000, 0.000



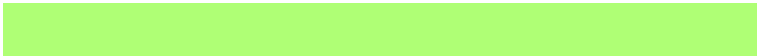
53, 0.007, 296.813

Same Dimension

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



85, 57.351, 129.796



93, 74.211, 129.397



83, 62.167, 142.627



47, 7.319, 131.511



65, 85.592, 130.474



18, 33.112, 130.246

Inverse Universe

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



63, 60.423, 313.950



63, 79.062, 314.341



67, 61.929, 328.819



45, 7.403, 312.287



30, 93.785, 313.965



5, 36.124, 313.978

Previews

White Background



This preview shows how the CIE LCh color 85, 57.350, 129.795 looks on a white background.

Color Contrast Check

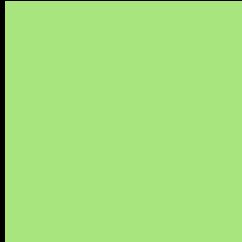
Large Text (above 18pt) WCAG AA × Fail

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, 57.350, 129.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

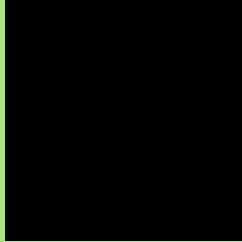
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 57.350, 129.795

Background



This preview shows how black text looks on a background with the CIELCh color 85, 57.350, 129.795.

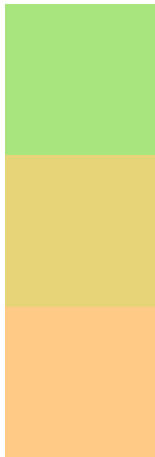


This preview shows how white text looks on a background with the CIELCh color 85, 57.350, 129.795.

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, 57.350, 129.795

Protanopia

85, 47.993, 96.007

Deuteranopia


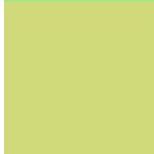

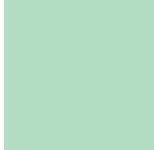
85, 42.344, 75.461




Tritanopia

85, 13.733, 239.682

Trichromacy

	Original Color 85, 57.350, 129.795
	Protanomaly 85, 49.065, 110.271
	Deuteranomaly 84, 42.105, 99.770
	Tritanomaly 85, 20.508, 156.249

Monochromacy

	Original Color 85, 57.350, 129.795
	Achromatopsia 80, 0.010, 296.813
	Achromatomaly 82, 21.717, 130.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 57.350, 129.795 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(169, 229, 126)` looks like.

```
.text, #text, p{  
    color:rgb(169, 229, 126)  
}
```

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(169, 229, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 229, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 57.350, 129.795 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(169, 229, 126) }
```

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

```
.border{ border-color:rgb(169, 229, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 229, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 229, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 229, 126);  
box-shadow:4px 4px 4px 4px rgb(169, 229,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 57.350, 129.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 229, 126) }
```

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

```
.background{ background-color: rgb(169,  
229, 126) }
```

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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