

Converting Colors

CIELCh(90, 86.548, 141.374)

Have a look what the booklet for
CIELCh(90, 86.548, 141.374)
contains.

CIELCh(90, 86.258, 141.335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 86.258, 141.335)

Conversions

Conversions Part 1

Format	Color
Hex	68FF75
RGB	104, 255, 117
RGB Percent	41%, 100%, 46%
CMY	0.5922, 0.0000, 0.5419
CMYK	0.59, 0.00, 0.54, 0.00
HSL	125°, 100%, 70%
HSV	125°, 59%, 100%
XYZ	44.9471, 76.3034, 29.1274
YIQ	194.1190, -45.6980, -74.9300

Conversions

Conversions Part 2

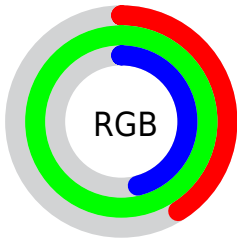
Format	Color
RYB	104, 243, 255
Decimal	6881141
CIELab	90.00, -67.35, 53.89
CIElCh	90, 86.258, 141.335
Yxy	76.3034, 0.2989, 0.5074
Android (android.graphics.Color)	4285071221 (0xFF68FF75)
YUV	194.1190, -38.0197, -79.0344
Hunter-Lab	87.3518, -61.0179, 41.3761

Details

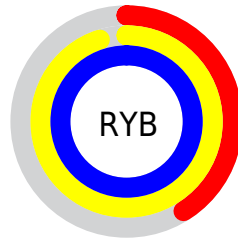
The CIELCh color **90, 86.258, 141.335** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 84.577, 330.183**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 52.907, 143.417**, and **70, 85.842, 141.355** is the 20% darker color. If you saturate the color by 10%, you get **89, 97.283, 140.040**, and if you desaturate by 10%, it is **91, 72.830, 142.612**.

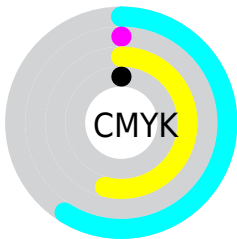
Distribution



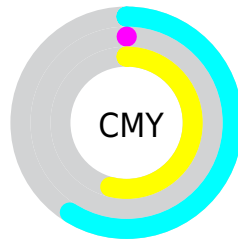
- Red (41%)
- Green (100%)
- Blue (46%)



- Red (41%)
- Yellow (95%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 86.258, 141.335 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 90, 86.258, 141.335 by changing the saturation by 10% instead.


 90, 86.258,
141.335


 90, 86.258,
141.335


 100, 86.258,
141.335


 80, 86.258,
141.335

 70, 86.258,
141.335

 60, 86.258,
141.335

 50, 86.258,
141.335

 40, 86.258,
141.335

 30, 86.258,
141.335

 20, 86.258,

141.335

■ 10, 86.258,
141.335

■ 0, 86.258, 141.335

■ 90, 86.258,
141.335

■ 90, 86.258,
141.335

■ 89, 97.283,
140.040

■ 91, 72.830,
142.612

■ 88, 106.735,
138.712

■ 92, 58.769,
143.729

■ 88, 113.717,
137.513

■ 94, 44.037,
144.706

■ 88, 117.973,
136.607

■ 96, 28.968,
145.549

■ 88, 118.204,
136.560

■ 98, 13.832,
146.278

100, 0.012,
296.813

Harmonies

Complementary

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



90, 86.258, 141.335



68, 84.577, 330.183

Rectangle

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



90, 86.258, 141.335



90, 86.258, 191.335



90, 86.258, 321.335



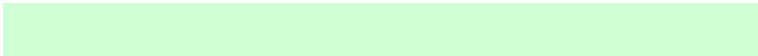
90, 86.258, 11.335

Sweetspot

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



90, 85.819, 141.368



96, 27.119, 145.643



97, 72.644, 108.693



51, 18.857, 145.415



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 85.819, 141.368



89, 99.125, 139.800



91, 57.490, 161.493



52, 8.530, 146.258



68, 94.849, 136.715



22, 41.967, 138.419

Inverse Universe

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



68, 84.577, 330.183



64, 96.149, 330.762



65, 63.288, 356.339



50, 8.546, 327.344



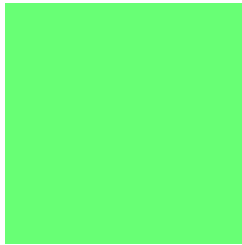
45, 87.072, 331.937



12, 40.380, 331.455

Previews

White Background



This preview shows how the CIE LCh color 90, 86.258, 141.335 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 90, 86.258, 141.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

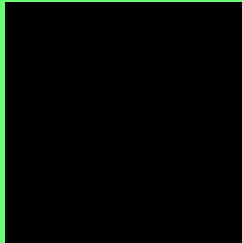
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

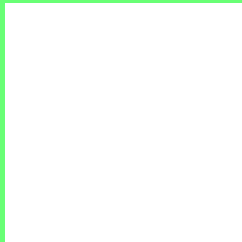
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 86.258, 141.335

Background



This preview shows how black text looks on a background with the CIELCh color 90, 86.258, 141.335.

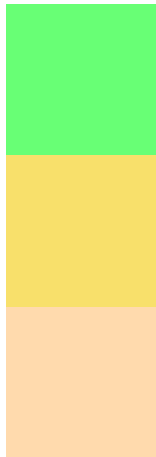


This preview shows how white text looks on a background with the CIELCh color 90, 86.258, 141.335.

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

90, 85.745, 141.401

Protanopia

89, 59.511, 95.481

Deuteranopia

89, 27.724, 76.298

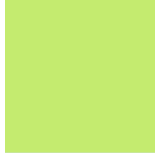


Tritanopia
89, 26.975, 217.185

Trichromacy



Original Color
90, 85.745, 141.401



Protanomaly
88, 63.517, 119.464



Deuteranomaly
88, 41.707, 123.682

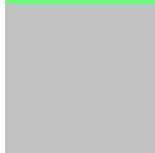


Tritanomaly
89, 41.316, 167.286

Monochromacy



Original Color
90, 85.745, 141.401



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 33.419, 145.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 86.258, 141.335 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(104, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 117)  
}
```

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(104, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 86.258, 141.335 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(104, 255, 117) }
```

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

```
.border{ border-color:rgb(104, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 86.258, 141.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 117) }
```

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

```
.background{ background-color: rgb(104,  
255, 117) }
```

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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