

Converting Colors

CIELCh(100, 101.492, 138.669)

Have a look what the booklet for
CIELCh(100, 101.492, 138.669)
contains.

CIELCh(90, 85.277, 139.140)	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, 85.277, 139.140)

Conversions

Conversions Part 1

Format	Color
Hex	75FF71
RGB	117, 255, 113
RGB Percent	46%, 100%, 44%
CMY	0.5423, 0.0010, 0.5578
CMYK	0.54, 0.00, 0.56, 0.00
HSL	118°, 100%, 72%
HSV	118°, 56%, 100%
XYZ	45.9428, 76.3034, 27.8590
YIQ	197.5500, -36.6660, -73.4180

Conversions

Conversions Part 2

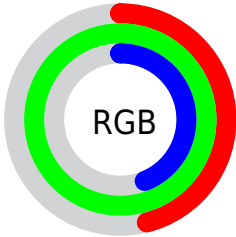
Format	Color
RYB	113, 255, 251
Decimal	7733105
CIELab	90.00, -64.50, 55.79
CIElCh	90, 85.277, 139.140
Yxy	76.3034, 0.3061, 0.5083
Android (android.graphics.Color)	4285923185 (0xFF75FF71)
YUV	197.5500, -41.6832, -70.6424
Hunter-Lab	87.3518, -58.9833, 42.2369

Details

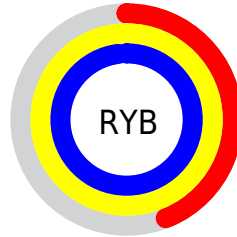
The CIELCh color **90, 85.277, 139.140** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **69, 84.799, 326.448**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 52.435, 139.190**, and **70, 85.149, 139.228** is the 20% darker color. If you saturate the color by 10%, you get **89, 97.596, 138.077**, and if you desaturate by 10%, it is **91, 71.340, 140.189**.

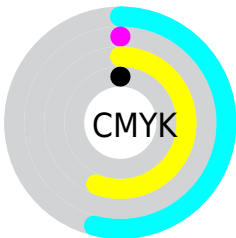
Distribution



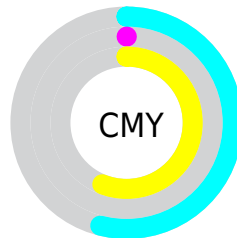
- Red (46%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (98%)



- Cyan (54%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 85.277, 139.140 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, 85.277, 139.140 by changing the saturation by 10% instead.


 90, 85.277,
139.140


 90, 85.277,
139.140


 100, 85.277,
139.140


 80, 85.277,
139.140

 70, 85.277,
139.140

 60, 85.277,
139.140

 50, 85.277,
139.140

 40, 85.277,
139.140

 30, 85.277,
139.140

 20, 85.277,

139.140

■ 10, 85.277,
139.140

■ 0, 85.277, 139.140

■ 90, 85.277,
139.140

■ 90, 85.277,
139.140

■ 89, 97.596,
138.077

■ 91, 71.340,
140.189

■ 88, 107.644,
137.113

■ 93, 56.341,
141.156

■ 88, 114.785,
136.394

■ 94, 40.731,
142.015

■ 88, 118.665,
136.036

■ 96, 24.863,
142.760

■ 88, 119.560,
135.939

■ 99, 9.003, 143.414
100, 0.169,
322.613

Harmonies

Complementary

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



90, 85.277, 139.140



69, 84.799, 326.448

Rectangle

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



90, 85.277, 139.140



90, 85.277, 189.140



90, 85.277, 319.140



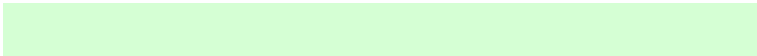
90, 85.277, 9.140

Sweetspot

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



90, 85.278, 139.141



96, 26.898, 142.672



96, 66.849, 103.325



51, 18.002, 142.528



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, 85.278, 139.141



89, 99.087, 137.946



91, 60.570, 155.788



52, 8.961, 143.174



68, 96.328, 135.905



22, 43.595, 136.392

Inverse Universe

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



69, 84.799, 326.448



65, 97.825, 326.811



67, 63.222, 347.946



50, 8.979, 324.186



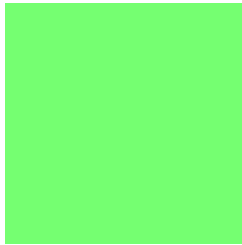
45, 93.202, 327.132



12, 42.870, 327.264

Previews

White Background



This preview shows how the CIE LCh color 90, 85.277, 139.140 looks on a white background.

Color Contrast Check

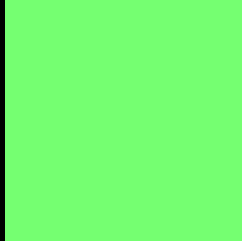
Large Text (above 18pt) WCAG AA × Fail

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, 85.277, 139.140 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

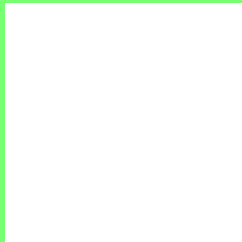
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 85.277, 139.140

Background



This preview shows how black text looks on a background with the CIELCh color 90, 85.277, 139.140.

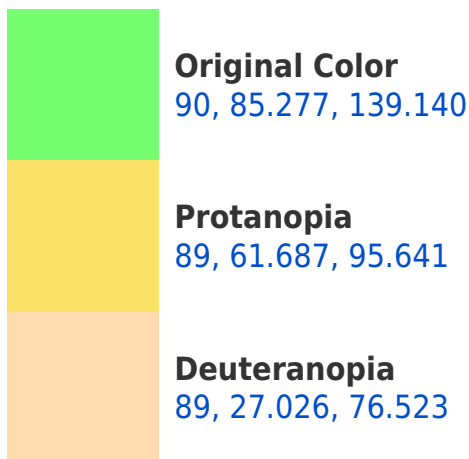


This preview shows how white text looks on a background with the CIELCh color 90, 85.277, 139.140.

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
90, 25.274, 218.631

Trichromacy



Original Color
90, 85.277, 139.140



Protanomaly
89, 65.233, 117.551



Deuteranomaly
88, 42.188, 121.301

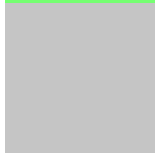


Tritanomaly
89, 39.885, 164.529

Monochromacy



Original Color
90, 85.277, 139.140



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 33.161, 141.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 85.277, 139.140 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, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 113)  
}
```

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, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 85.277, 139.140 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, 255, 113) }
```

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

```
.border{ border-color:rgb(117, 255, 113) }
```

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

Here you see how a box with a 4 pixel rgb(117, 255, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 85.277, 139.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 113) }
```

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

```
.background{ background-color: rgb(117,  
255, 113) }
```

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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