

Converting Colors

CIELCh(90, 85.809, 139.840)

Have a look what the booklet for
CIELCh(90, 85.809, 139.840)
contains.

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Color

CIELCh(90, 85.671, 139.942)

Conversions

Conversions Part 1

Format	Color
Hex	70FF72
RGB	112, 255, 114
RGB Percent	44%, 100%, 45%
CMY	0.5601, 0.0000, 0.5523
CMYK	0.56, 0.00, 0.55, 0.00
HSL	121°, 100%, 72%
HSV	121°, 56%, 100%
XYZ	45.5659, 76.3034, 28.2922
YIQ	196.1690, -39.9670, -74.1670

Conversions

Conversions Part 2

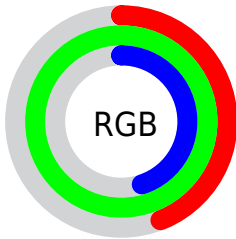
Format	Color
RYB	112, 253, 255
Decimal	7405426
CIELab	90.00, -65.57, 55.13
CIELCh	90, 85.671, 139.942
Yxy	76.3034, 0.3034, 0.5081
Android (android.graphics.Color)	4285595506 (0xFF70FF72)
YUV	196.1690, -40.5093, -73.8162
Hunter-Lab	87.3518, -59.7536, 41.9429

Details

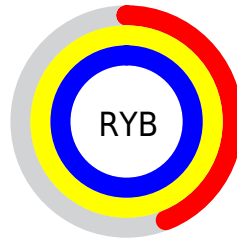
The CIELCh color **90, 85.671, 139.942** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **69, 84.784, 327.728**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 52.779, 140.623**, and **70, 85.585, 139.968** is the 20% darker color. If you saturate the color by 10%, you get **89, 97.803, 138.768**, and if you desaturate by 10%, it is **91, 71.726, 141.083**.

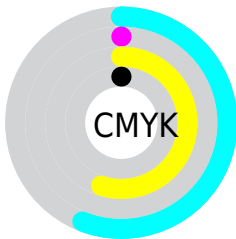
Distribution



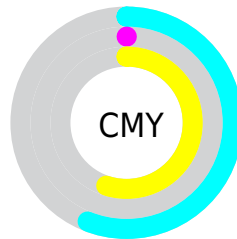
- Red (44%)
- Green (100%)
- Blue (45%)



- Red (44%)
- Yellow (99%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 85.671, 139.942 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, 85.671, 139.942 by changing the saturation by 10% instead.


 90, 85.671,
139.942


 90, 85.671,
139.942


 100, 85.671,
139.942


 80, 85.671,
139.942

 70, 85.671,
139.942

 60, 85.671,
139.942


 50, 85.671,
139.942

 40, 85.671,
139.942


 30, 85.671,
139.942


 20, 85.671,


139.942


 10, 85.671,
139.942


 0, 85.671, 139.942


 90, 85.671,
139.942


 90, 85.671,
139.942


 89, 97.803,
138.768


 91, 71.726,
141.083


 88, 107.759,
137.656

 93, 56.773,
142.116

 88, 114.849,
136.756

 94, 41.180,
143.025

 88, 118.737,
136.201

 96, 25.309,
143.810

■ 88, 119.560,
136.091

■ 99, 9.436, 144.494
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, 85.671, 139.942



69, 84.784, 327.728

Rectangle

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



90, 85.671, 139.942



90, 85.671, 189.942



90, 85.671, 319.942



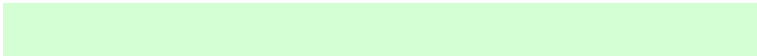
90, 85.671, 9.942

Sweetspot

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



90, 85.585, 139.947



96, 26.892, 143.737



98, 69.076, 104.895



51, 17.998, 143.587



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, 85.585, 139.947



89, 98.905, 138.652



91, 59.120, 157.410



52, 8.959, 144.262



68, 96.222, 136.123



22, 43.520, 137.034

Inverse Universe

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



69, 84.784, 327.728



66, 97.157, 328.142



67, 62.477, 350.080



50, 8.973, 325.317



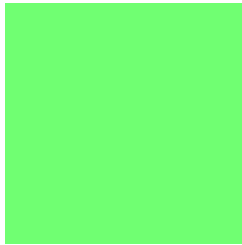
45, 92.081, 328.789



12, 42.417, 328.721

Previews

White Background



This preview shows how the CIE LCh color 90, 85.671, 139.942 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, 85.671, 139.942 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, 85.671, 139.942

Background



This preview shows how black text looks on a background with the CIELCh color 90, 85.671, 139.942.

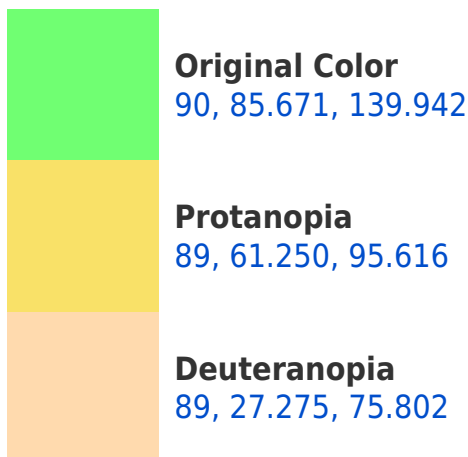


This preview shows how white text looks on a background with the CIELCh color 90, 85.671, 139.942.

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](#).

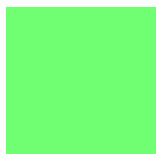
Dichromacy



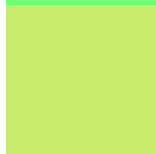


Tritanopia
90, 25.765, 218.195

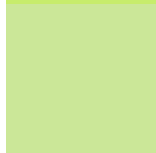
Trichromacy



Original Color
90, 85.671, 139.942



Protanomaly
89, 65.000, 118.330



Deuteranomaly
88, 41.845, 121.987



Tritanomaly
89, 40.259, 165.681

Monochromacy



Original Color
90, 85.671, 139.942



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 32.961, 142.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 85.671, 139.942 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(112, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 114)  
}
```

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(112, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 85.671, 139.942 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(112, 255, 114) }
```

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

```
.border{ border-color:rgb(112, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 85.671, 139.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 114) }
```

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

```
.background{ background-color: rgb(112,  
255, 114) }
```

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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