

Converting Colors

CIELCh(90, 90.967, 139.374)

Have a look what the booklet for
CIELCh(90, 90.967, 139.374)
contains.

CIELCh(90, 90.242, 139.507)	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, 90.242, 139.507)

Conversions

Conversions Part 1

Format	Color
Hex	68FF6A
RGB	104, 255, 106
RGB Percent	41%, 100%, 42%
CMY	0.5907, 0.0000, 0.5838
CMYK	0.59, 0.00, 0.58, 0.00
HSL	121°, 100%, 70%
HSV	121°, 59%, 100%
XYZ	44.5068, 76.3034, 26.0501
YIQ	192.8650, -42.1670, -78.3510

Conversions

Conversions Part 2

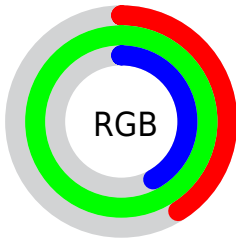
Format	Color
RYB	104, 253, 255
Decimal	6881130
CIELab	90.00, -68.63, 58.60
CIELCh	90, 90.242, 139.507
Yxy	76.3034, 0.3031, 0.5196
Android (android.graphics.Color)	4285071210 (0xFF68FF6A)
YUV	192.8650, -42.8244, -77.9346
Hunter-Lab	87.3518, -61.9178, 43.4647

Details

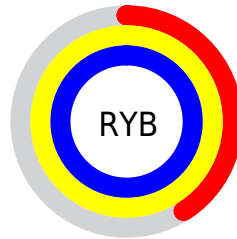
The CIELCh color **90, 90.242, 139.507** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 88.639, 327.786**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 57.474, 140.219**, and **70, 89.867, 139.512** is the 20% darker color. If you saturate the color by 10%, you get **89, 101.242, 138.368**, and if you desaturate by 10%, it is **91, 76.221, 140.689**.

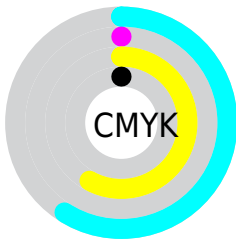
Distribution



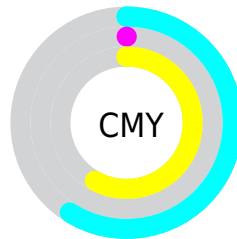
- Red (41%)
- Green (100%)
- Blue (42%)



- Red (41%)
- Yellow (99%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 90.242, 139.507 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, 90.242, 139.507 by changing the saturation by 10% instead.


 90, 90.242,
139.507


 90, 90.242,
139.507


 100, 90.242,
139.507


 80, 90.242,
139.507

 70, 90.242,
139.507

 60, 90.242,
139.507


 50, 90.242,
139.507

 40, 90.242,
139.507


 30, 90.242,
139.507


 20, 90.242,


139.507


 10, 90.242,
139.507


 0, 90.242, 139.507


 90, 90.242,
139.507


 90, 90.242,
139.507


 89, 101.242,
138.368


 91, 76.221,
140.689


 88, 110.362,
137.313

 92, 61.534,
141.757

 88, 116.452,
136.521

 94, 46.074,
142.704

 88, 119.406,
136.103

 96, 30.232,
143.525

■ 88, 119.594,
136.079

■ 98, 14.312,
144.234

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, 90.242, 139.507



68, 88.639, 327.786

Rectangle

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



90, 90.242, 139.507



90, 90.242, 189.507



90, 90.242, 319.507



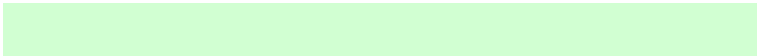
90, 90.242, 9.507

Sweetspot

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



90, 89.649, 139.534



96, 28.525, 143.606



98, 72.305, 104.651



51, 19.834, 143.383



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, 89.649, 139.534



89, 103.212, 138.151



91, 61.885, 156.927



52, 8.972, 144.205



68, 96.261, 136.107



22, 43.568, 136.993

Inverse Universe

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



68, 88.639, 327.786



64, 101.051, 328.198



65, 65.357, 350.625



50, 8.986, 325.259



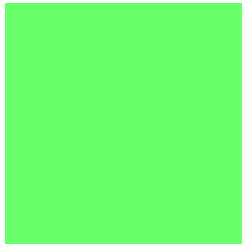
45, 92.236, 328.701



12, 42.480, 328.644

Previews

White Background



This preview shows how the CIE LCh color 90, 90.242, 139.507 looks on a white background.

Color Contrast Check

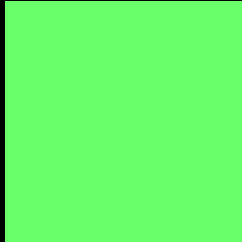
Large Text (above 18pt) WCAG AA × Fail

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, 90.242, 139.507 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, 90.242, 139.507

Background



This preview shows how black text looks on a background with the CIELCh color 90, 90.242, 139.507.

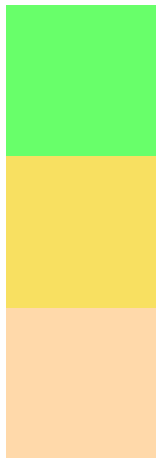


This preview shows how white text looks on a background with the CIELCh color 90, 90.242, 139.507.

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, 89.745, 139.555

Protanopia

89, 63.862, 95.726

Deuteranopia

89, 28.874, 76.545

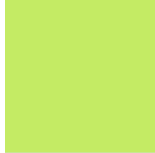


Tritanopia
89, 26.975, 217.185

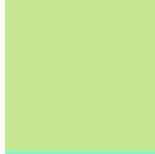
Trichromacy



Original Color
90, 89.745, 139.555



Protanomaly
88, 68.155, 118.200



Deuteranomaly
88, 44.558, 122.448

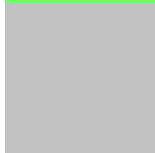


Tritanomaly
89, 42.603, 164.978

Monochromacy



Original Color
90, 89.745, 139.555



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 35.575, 142.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 90.242, 139.507 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 90.242, 139.507 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, 106) }
```

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

```
.border{ border-color:rgb(104, 255, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 90.242, 139.507 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, 106) }
```

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

```
.background{ background-color: rgb(104,  
255, 106) }
```

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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