

Converting Colors

CIELCh(90, 70.322, 149.562)

Have a look what the booklet for
CIELCh(90, 70.322, 149.562)
contains.

CIELCh(90, 70.434, 149.496)	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, 70.434, 149.496)

Conversions

Conversions Part 1

Format	Color
Hex	6AFE9B
RGB	106, 254, 155
RGB Percent	42%, 100%, 61%
CMY	0.5844, 0.0040, 0.3922
CMYK	0.58, 0.00, 0.39, 0.00
HSL	140°, 99%, 71%
HSV	140°, 58%, 100%
XYZ	47.2942, 76.3034, 43.2393
YIQ	198.4620, -56.4290, -62.1650

Conversions

Conversions Part 2

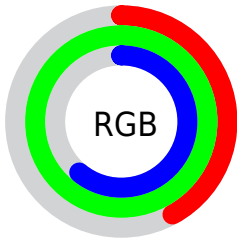
Format	Color
RYB	106, 217, 254
Decimal	7011995
CIELab	90.00, -60.69, 35.75
CIElCh	90, 70.434, 149.496
Yxy	76.3034, 0.2835, 0.4574
Android (android.graphics.Color)	4285202075 (0xFF6AFE9B)
YUV	198.4620, -21.4268, -81.0892
Hunter-Lab	87.3518, -56.2217, 31.7976

Details

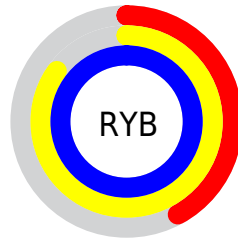
The CIELCh color **90, 70.434, 149.496** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 70.782, 340.634**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 37.910, 159.476**, and **70, 70.201, 149.636** is the 20% darker color. If you saturate the color by 10%, you get **89, 80.500, 147.879**, and if you desaturate by 10%, it is **91, 59.412, 150.917**.

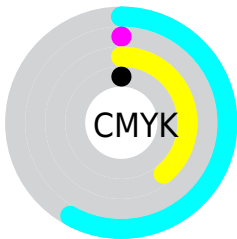
Distribution



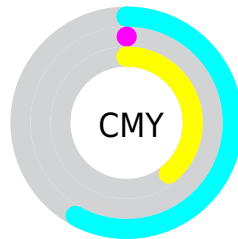
- Red (42%)
- Green (100%)
- Blue (61%)



- Red (42%)
- Yellow (85%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 70.434, 149.496 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, 70.434, 149.496 by changing the saturation by 10% instead.


 90, 70.434,
149.496


 90, 70.434,
149.496


 100, 70.434,
149.496


 80, 70.434,
149.496

 70, 70.434,
149.496

 60, 70.434,
149.496

 50, 70.434,
149.496

 40, 70.434,
149.496

 30, 70.434,
149.496

 20, 70.434,

149.496

■ 10, 70.434,
149.496

■ 0, 70.434, 149.496

■ 90, 70.434,
149.496

■ 90, 70.434,
149.496

■ 89, 80.500,
147.879

■ 91, 59.412,
150.917

■ 88, 89.412,
146.068

■ 92, 47.662,
152.156

■ 88, 97.044,
144.095

■ 94, 35.425,
153.233

■ 88, 103.376,
142.042

■ 96, 22.921,
154.174

■ 88, 104.373,
141.707

■ 98, 10.342,
155.011

100, 0.637,
323.978

Harmonies

Complementary

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



90, 70.434, 149.496



66, 70.782, 340.634

Rectangle

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



90, 70.434, 149.496



90, 70.434, 199.496



90, 70.434, 329.496



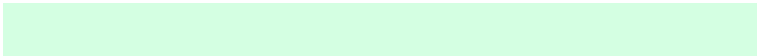
90, 70.434, 19.496

Sweetspot

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



90, 70.435, 149.496



96, 21.391, 154.285



94, 73.876, 119.346



51, 14.311, 154.108



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, 70.435, 149.496



89, 82.388, 147.576



91, 45.935, 178.621



52, 7.136, 154.911



68, 83.600, 142.083



23, 35.983, 145.061

Inverse Universe

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



66, 70.782, 340.634



62, 81.061, 342.118



64, 60.283, 13.701



50, 7.179, 336.212



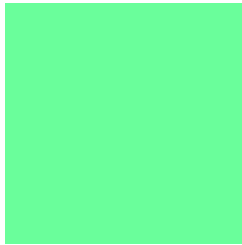
42, 72.915, 347.302



11, 34.381, 344.297

Previews

White Background



This preview shows how the CIE LCh color 90, 70.434, 149.496 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, 70.434, 149.496 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, 70.434, 149.496

Background



This preview shows how black text looks on a background with the CIELCh color 90, 70.434, 149.496.




This preview shows how white text looks on a background with the CIELCh color 90, 70.434, 149.496.

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, 26.400, 216.420

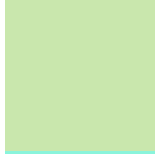
Trichromacy



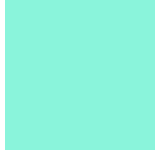
Original Color
90, 70.434, 149.496



Protanomaly
89, 48.113, 126.276



Deuteranomaly
88, 32.028, 128.517

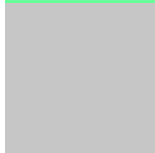


Tritanomaly
89, 36.594, 176.125

Monochromacy



Original Color
90, 70.434, 149.496



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 27.153, 153.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 70.434, 149.496 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(106, 254, 155)` looks like.

```
.text, #text, p{  
    color:rgb(106, 254, 155)  
}
```

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(106, 254, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 254, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 70.434, 149.496 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(106, 254, 155) }
```

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

```
.border{ border-color:rgb(106, 254, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 254, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 254, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 254, 155);  
box-shadow:4px 4px 4px 4px rgb(106, 254,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 70.434, 149.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 254, 155) }
```

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

```
.background{ background-color: rgb(106,  
254, 155) }
```

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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