

Converting Colors

CIELCh(90, 71.700, 149.682)

Have a look what the booklet for
CIELCh(90, 71.700, 149.682)
contains.

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Color

CIELCh(90, 71.444, 149.687)

Conversions

Conversions Part 1

Format	Color
Hex	66FE9A
RGB	102, 254, 154
RGB Percent	40%, 100%, 60%
CMY	0.5984, 0.0025, 0.3948
CMYK	0.60, 0.00, 0.39, 0.00
HSL	141°, 99%, 70%
HSV	141°, 60%, 100%
XYZ	46.9403, 76.3034, 42.9688
YIQ	197.1520, -58.4920, -63.3240

Conversions

Conversions Part 2

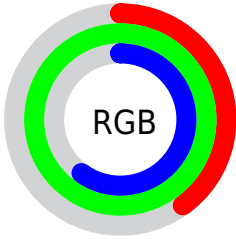
Format	Color
RYB	102, 215, 254
Decimal	6749850
CIELab	90.00, -61.68, 36.06
CIElCh	90, 71.444, 149.687
Yxy	76.3034, 0.2824, 0.4591
Android (android.graphics.Color)	4284939930 (0xFF66FE9A)
YUV	197.1520, -21.2739, -83.4483
Hunter-Lab	87.3518, -56.9449, 31.9812

Details

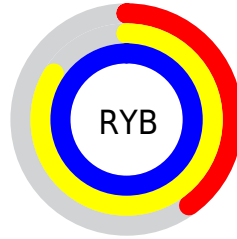
The CIELCh color **90, 71.444, 149.687** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 71.813, 341.365**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 38.976, 159.649**, and **70, 71.224, 149.802** is the 20% darker color. If you saturate the color by 10%, you get **89, 81.272, 148.033**, and if you desaturate by 10%, it is **91, 60.637, 151.143**.

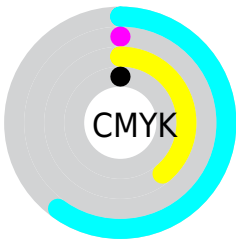
Distribution



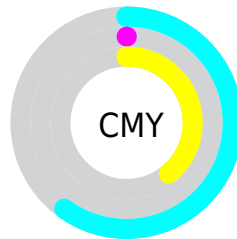
- Red (40%)
- Green (100%)
- Blue (60%)



- Red (40%)
- Yellow (84%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 71.444, 149.687 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, 71.444, 149.687 by changing the saturation by 10% instead.


 90, 71.444,
149.687


 90, 71.444,
149.687


 100, 71.444,
149.687


 80, 71.444,
149.687

 70, 71.444,
149.687

 60, 71.444,
149.687


 50, 71.444,
149.687

 40, 71.444,
149.687


 30, 71.444,
149.687


 20, 71.444,


149.687


 10, 71.444,
149.687


 0, 71.444, 149.687

 90, 71.444,
149.687


 90, 71.444,
149.687


 89, 81.272,
148.033


 91, 60.637,
151.143

 89, 89.939,
146.184

 92, 49.072,
152.413

 88, 97.338,
144.174

 94, 36.985,
153.518

 88, 103.505,
142.109

 96, 24.600,
154.483

■ 88, 103.653,
142.059

■ 98, 12.110,
155.339

100, 0.323,
333.974

100, 0.405,
323.692

Harmonies

Complementary

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



90, 71.444, 149.687



66, 71.813, 341.365

Rectangle

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



90, 71.444, 149.687



90, 71.444, 199.687



90, 71.444, 329.687



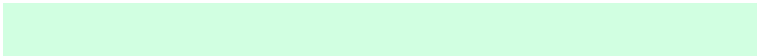
90, 71.444, 19.687

Sweetspot

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



90, 71.445, 149.687



96, 22.472, 154.639



94, 75.847, 120.001



51, 15.617, 154.376



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, 71.445, 149.687



89, 83.502, 147.630



92, 46.190, 179.928



52, 7.080, 155.358



68, 82.920, 142.441



23, 35.680, 145.449

Inverse Universe

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



66, 71.813, 341.365



61, 81.924, 343.017



64, 62.017, 15.405



50, 7.125, 336.671



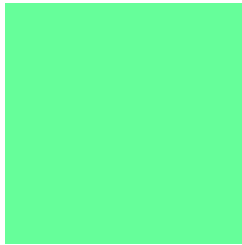
42, 72.469, 348.140



11, 34.175, 344.985

Previews

White Background



This preview shows how the CIE LCh color 90, 71.444, 149.687 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, 71.444, 149.687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

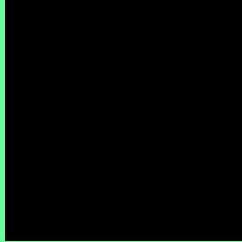
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

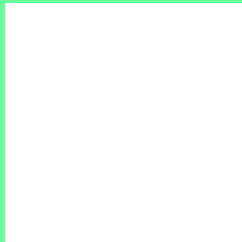
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 71.444, 149.687

Background



This preview shows how black text looks on a background with the CIELCh color 90, 71.444, 149.687.

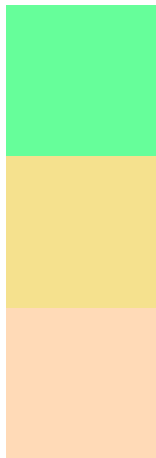


This preview shows how white text looks on a background with the CIELCh color 90, 71.444, 149.687.

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, 71.444, 149.687

Protanopia

89, 43.237, 95.758

Deuteranopia

89, 23.352, 70.416



Tritanopia
90, 26.644, 216.232

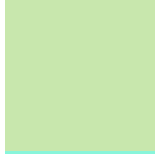
Trichromacy



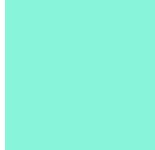
Original Color
90, 71.444, 149.687



Protanomaly
89, 48.711, 126.469



Deuteranomaly
88, 32.170, 129.121

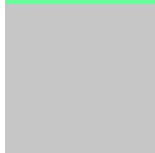


Tritanomaly
90, 37.813, 175.080

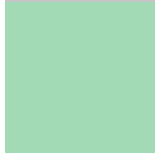
Monochromacy



Original Color
90, 71.444, 149.687



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 27.646, 154.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 71.444, 149.687 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(102, 254, 154)` looks like.

```
.text, #text, p{  
    color:rgb(102, 254, 154)  
}
```

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(102, 254, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 254, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 71.444, 149.687 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(102, 254, 154) }
```

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

```
.border{ border-color:rgb(102, 254, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 254, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 254, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 254, 154);  
box-shadow:4px 4px 4px 4px rgb(102, 254,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 71.444, 149.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 254, 154) }
```

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

```
.background{ background-color: rgb(102,  
254, 154) }
```

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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