

Converting Colors

CIELCh(90, 71.918, 149.604)

Have a look what the booklet for
CIELCh(90, 71.918, 149.604)
contains.

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Color

CIELCh(90, 71.598, 149.796)

Conversions

Conversions Part 1

Format	Color
Hex	65FE9A
RGB	101, 254, 154
RGB Percent	40%, 100%, 60%
CMY	0.6020, 0.0022, 0.3945
CMYK	0.60, 0.00, 0.39, 0.00
HSL	141°, 99%, 70%
HSV	141°, 60%, 100%
XYZ	46.8685, 76.3034, 43.0039
YIQ	196.8530, -59.0880, -63.5360

Conversions

Conversions Part 2

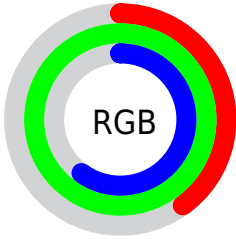
Format	Color
RYB	101, 215, 254
Decimal	6684314
CIELab	90.00, -61.88, 36.02
CIElCh	90, 71.598, 149.796
Yxy	76.3034, 0.2820, 0.4592
Android (android.graphics.Color)	4284874394 (0xFF65FE9A)
YUV	196.8530, -21.1265, -84.0631
Hunter-Lab	87.3518, -57.0916, 31.9574

Details

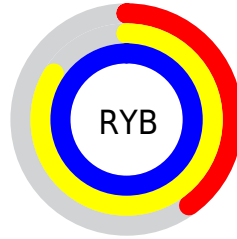
The CIELCh color **90, 71.598, 149.796** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 71.995, 341.635**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 39.214, 159.890**, and **70, 71.385, 149.911** is the 20% darker color. If you saturate the color by 10%, you get **89, 81.352, 148.131**, and if you desaturate by 10%, it is **91, 60.861, 151.262**.

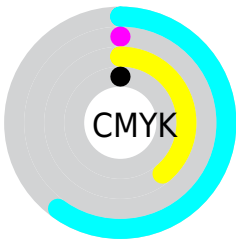
Distribution



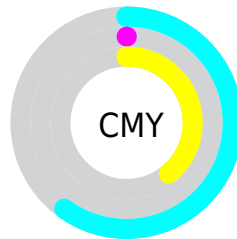
- Red (40%)
- Green (100%)
- Blue (60%)



- 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, 71.598, 149.796 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, 71.598, 149.796 by changing the saturation by 10% instead.


 90, 71.598,
149.796


 90, 71.598,
149.796


 100, 71.598,
149.796


 80, 71.598,
149.796

 70, 71.598,
149.796

 60, 71.598,
149.796

 50, 71.598,
149.796

 40, 71.598,
149.796

 30, 71.598,
149.796

 20, 71.598,

149.796

■ 10, 71.598,
149.796

■ 0, 71.598, 149.796

■ 90, 71.598,
149.796

■ 90, 71.598,
149.796

■ 89, 81.352,
148.131

■ 91, 60.861,
151.262

■ 89, 89.946,
146.271

■ 92, 49.359,
152.540

■ 88, 97.280,
144.250

■ 94, 37.327,
153.653

■ 88, 103.341,
142.201

■ 96, 24.988,
154.625

■ 98, 12.536,
155.487

■ 100, 0.131,
159.437

■ 100, 0.356,
323.584

Harmonies

Complementary

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



90, 71.598, 149.796



66, 71.995, 341.635

Rectangle

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



90, 71.598, 149.796



90, 71.598, 199.796



90, 71.598, 329.796



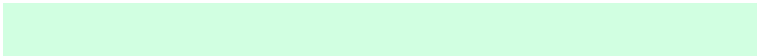
90, 71.598, 19.796

Sweetspot

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



90, 71.599, 149.796



96, 22.400, 154.815



94, 76.268, 119.991



51, 15.567, 154.552



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, 71.599, 149.796



89, 83.212, 147.793



92, 46.402, 179.883



52, 7.058, 155.537



68, 82.648, 142.586



23, 35.560, 145.604

Inverse Universe

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



66, 71.995, 341.635



61, 81.720, 343.263



63, 62.419, 15.514



50, 7.104, 336.855



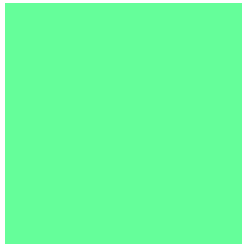
42, 72.297, 348.476



11, 34.095, 345.261

Previews

White Background



This preview shows how the CIE LCh color 90, 71.598, 149.796 looks on a white background.

Color Contrast Check

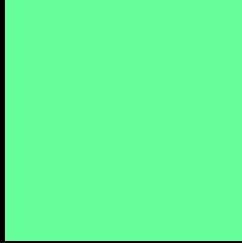
Large Text (above 18pt) WCAG AA × Fail

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, 71.598, 149.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

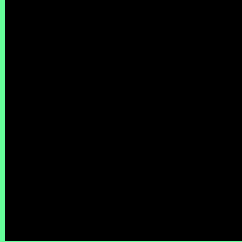
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 71.598, 149.796

Background



This preview shows how black text looks on a background with the CIELCh color 90, 71.598, 149.796.

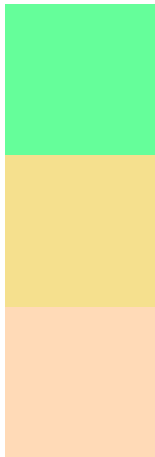


This preview shows how white text looks on a background with the CIELCh color 90, 71.598, 149.796.

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, 71.598, 149.796

Protanopia
89, 42.869, 95.129

Deuteranopia
89, 23.352, 70.416



Tritanopia
90, 26.644, 216.232

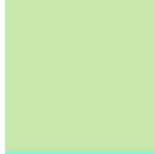
Trichromacy



Original Color
90, 71.598, 149.796



Protanomaly
88, 47.685, 126.484



Deuteranomaly
88, 32.316, 129.718

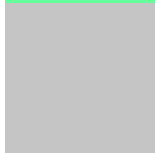


Tritanomaly
90, 37.813, 175.080

Monochromacy



Original Color
90, 71.598, 149.796



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 27.894, 154.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 71.598, 149.796 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(101, 254, 154)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 254, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 71.598, 149.796 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(101, 254, 154) }
```

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

```
.border{ border-color:rgb(101, 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(101, 254, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 154);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 71.598, 149.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 254, 154) }
```

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

```
.background{ background-color: rgb(101,  
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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