

Converting Colors

CIELCh(90, 70.593, 148.637)

Have a look what the booklet for
CIELCh(90, 70.593, 148.637)
contains.

CIELCh(90, 70.725, 148.618)	3
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Color

CIELCh(90, 70.725, 148.618)

Conversions

Conversions Part 1

Format	Color
Hex	6DFE99
RGB	109, 254, 153
RGB Percent	43%, 100%, 60%
CMY	0.5733, 0.0046, 0.4006
CMYK	0.57, 0.00, 0.40, 0.00
HSL	138°, 98%, 71%
HSV	138°, 57%, 100%
XYZ	47.4041, 76.3034, 42.2957
YIQ	199.1310, -53.9990, -62.1510

Conversions

Conversions Part 2

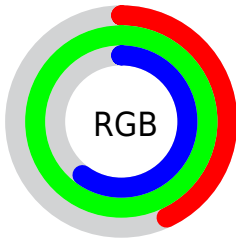
Format	Color
RYB	109, 220, 254
Decimal	7208601
CIELab	90.00, -60.38, 36.83
CIELCh	90, 70.725, 148.618
Yxy	76.3034, 0.2856, 0.4596
Android (android.graphics.Color)	4285398681 (0xFF6DFE99)
YUV	199.1310, -22.7426, -79.0449
Hunter-Lab	87.3518, -55.9972, 32.4380

Details

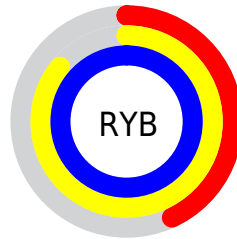
The CIELCh color **90, 70.725, 148.618** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **67, 70.837, 339.127**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 38.141, 157.808**, and **70, 70.505, 148.761** is the 20% darker color. If you saturate the color by 10%, you get **89, 81.140, 147.043**, and if you desaturate by 10%, it is **91, 59.352, 150.002**.

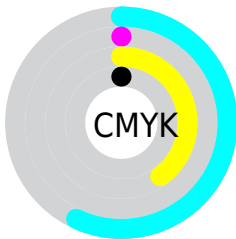
Distribution



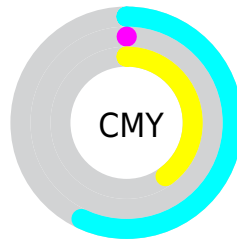
- Red (43%)
- Green (100%)
- Blue (60%)



- Red (43%)
- Yellow (86%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 70.725, 148.618 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, 70.725, 148.618 by changing the saturation by 10% instead.


 90, 70.725,
148.618


 90, 70.725,
148.618


 100, 70.725,
148.618


 80, 70.725,
148.618

 70, 70.725,
148.618

 60, 70.725,
148.618


 50, 70.725,
148.618

 40, 70.725,
148.618


 30, 70.725,
148.618


 20, 70.725,


148.618


 10, 70.725,
148.618


 0, 70.725, 148.618

 90, 70.725,
148.618


 90, 70.725,
148.618


 89, 81.140,
147.043


 91, 59.352,
150.002


 88, 90.375,
145.283

 93, 47.266,
151.207

 88, 98.274,
143.370

 94, 34.715,
152.253

 88, 104.764,
141.383

 96, 21.926,
153.164

■ 88, 106.412,
140.845

■ 98, 9.090, 153.977
100, 0.738,
324.048

Harmonies

Complementary

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



90, 70.725, 148.618



67, 70.837, 339.127

Rectangle

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



90, 70.725, 148.618



90, 70.725, 198.618



90, 70.725, 328.618



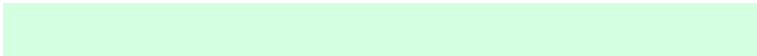
90, 70.725, 18.618

Sweetspot

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



90, 70.726, 148.618



96, 21.837, 153.175



94, 72.327, 118.678



51, 14.611, 153.001



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, 70.726, 148.618



89, 83.266, 146.725



91, 45.869, 177.323



52, 7.283, 153.788



68, 85.298, 141.205



23, 36.752, 144.101

Inverse Universe

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



67, 70.837, 339.127



63, 81.698, 340.477



65, 58.996, 12.103



50, 7.321, 335.058



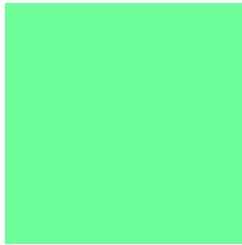
42, 74.145, 345.207



11, 34.938, 342.574

Previews

White Background



This preview shows how the CIE LCh color 90, 70.725, 148.618 looks on a white background.

Color Contrast Check

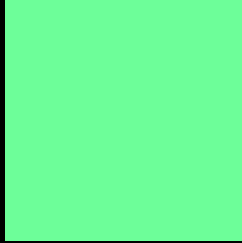
Large Text (above 18pt) WCAG AA × Fail

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, 70.725, 148.618 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, 70.725, 148.618

Background



This preview shows how black text looks on a background with the CIELCh color 90, 70.725, 148.618.

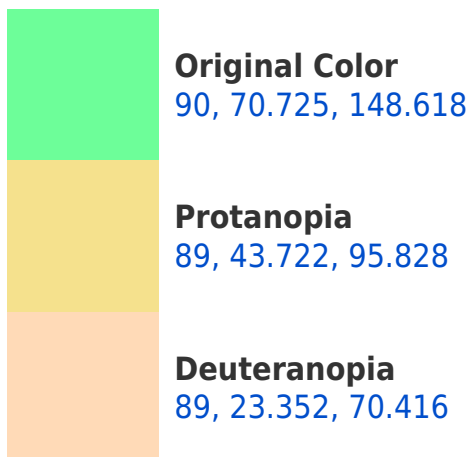


This preview shows how white text looks on a background with the CIELCh color 90, 70.725, 148.618.

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, 26.009, 217.983

Trichromacy



Original Color
90, 70.725, 148.618



Protanomaly
88, 48.341, 125.235



Deuteranomaly
88, 32.367, 127.582

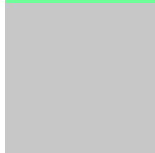


Tritanomaly
90, 36.615, 175.266

Monochromacy



Original Color
90, 70.725, 148.618



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 27.522, 152.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 70.725, 148.618 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(109, 254, 153)` looks like.

```
.text, #text, p{  
    color:rgb(109, 254, 153)  
}
```

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(109, 254, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 254, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 70.725, 148.618 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(109, 254, 153) }
```

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

```
.border{ border-color:rgb(109, 254, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 254, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 254, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 254, 153); box-shadow:4px 4px 4px 4px rgb(109, 254, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 70.725, 148.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 254, 153) }
```

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

```
.background{ background-color: rgb(109,  
254, 153) }
```

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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