

Converting Colors

CIELCh(90, 74.930, 149.410)

Have a look what the booklet for
CIELCh(90, 74.930, 149.410)
contains.

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Color

CIELCh(90, 74.817, 149.484)

Conversions

Conversions Part 1

Format	Color
Hex	5DFF96
RGB	93, 255, 150
RGB Percent	36%, 100%, 59%
CMY	0.6337, 0.0000, 0.4105
CMYK	0.63, 0.00, 0.41, 0.00
HSL	141°, 100%, 68%
HSV	141°, 63%, 100%
XYZ	45.9576, 76.3034, 41.2942
YIQ	194.5920, -62.8470, -66.9990

Conversions

Conversions Part 2

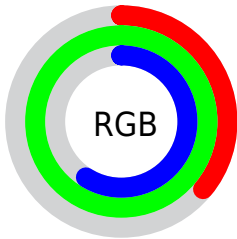
Format	Color
RYB	93, 213, 255
Decimal	6160278
CIELab	90.00, -64.45, 37.99
CIELCh	90, 74.817, 149.484
Yxy	76.3034, 0.2810, 0.4665
Android (android.graphics.Color)	4284350358 (0xFF5DFF96)
YUV	194.5920, -21.9839, -89.0962
Hunter-Lab	87.3518, -58.9531, 33.1178

Details

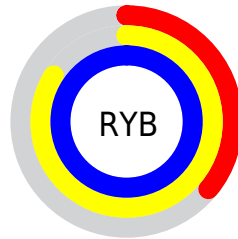
The CIELCh color **90, 74.817, 149.484** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **64, 74.787, 342.393**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 42.252, 159.316**, and **70, 73.685, 148.907** is the 20% darker color. If you saturate the color by 10%, you get **89, 83.994, 147.789**, and if you desaturate by 10%, it is **91, 64.238, 151.057**.

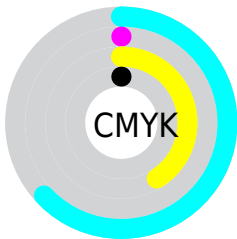
Distribution



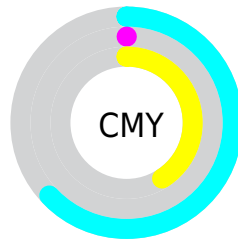
- Red (36%)
- Green (100%)
- Blue (59%)



- Red (36%)
- Yellow (84%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (63%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 74.817, 149.484 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, 74.817, 149.484 by changing the saturation by 10% instead.

 90, 74.817,
149.484

 90, 74.817,
149.484

 100, 74.817,
149.484

 80, 74.817,
149.484

 70, 74.817,
149.484

 60, 74.817,
149.484

 50, 74.817,
149.484

 40, 74.817,
149.484

 30, 74.817,
149.484

 20, 74.817,


149.484


 10, 74.817,
149.484


 0, 74.817, 149.484


 90, 74.817,
149.484


 90, 74.817,
149.484

 89, 83.994,
147.789


 91, 64.238,
151.057


 89, 92.158,
145.863

 92, 53.002,
152.398

 88, 99.062,
143.792

 94, 41.160,
153.566

 88, 103.013,
142.414

 95, 28.939,
154.585

■ 97, 16.543,
155.482

■ 99, 4.144, 156.337

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, 74.817, 149.484



64, 74.787, 342.393

Rectangle

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



90, 74.817, 149.484



90, 74.817, 199.484



90, 74.817, 329.484



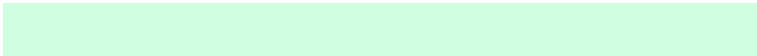
90, 74.817, 19.484

Sweetspot

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



90, 74.637, 149.524



96, 23.535, 154.990



94, 80.171, 120.610



51, 16.196, 154.727



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, 74.637, 149.524



89, 86.262, 147.299



92, 47.527, 181.037



52, 7.026, 155.805



68, 82.241, 142.805



23, 35.380, 145.838

Inverse Universe

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



64, 74.787, 342.393



60, 83.846, 344.278



62, 66.126, 17.793



50, 7.072, 337.131



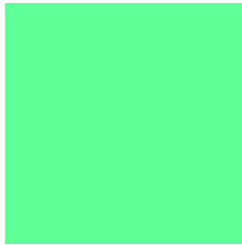
42, 72.048, 348.978



11, 33.978, 345.673

Previews

White Background



This preview shows how the CIE LCh color 90, 74.817, 149.484 looks on a white background.

Color Contrast Check

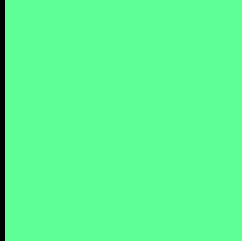
Large Text (above 18pt) WCAG AA × Fail

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, 74.817, 149.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

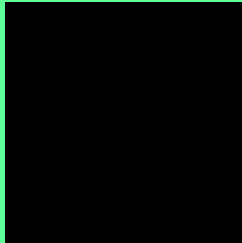
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 74.817, 149.484

Background



This preview shows how black text looks on a background with the CIELCh color 90, 74.817, 149.484.




This preview shows how white text looks on a background with the CIELCh color 90, 74.817, 149.484.

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, 27.368, 215.690

Trichromacy



Original Color
90, 74.817, 149.484



Protanomaly
88, 50.399, 126.623



Deuteranomaly
88, 34.181, 130.407

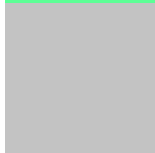


Tritanomaly
89, 39.229, 174.988

Monochromacy



Original Color
90, 74.817, 149.484



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 29.428, 154.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 74.817, 149.484 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(93, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 150)  
}
```

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(93, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 74.817, 149.484 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(93, 255, 150) }
```

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

```
.border{ border-color:rgb(93, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 74.817, 149.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 150) }
```

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

```
.background{ background-color: rgb(93, 255,  
150) }
```

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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