

Converting Colors

CIELCh(90, 73.573, 148.517)

Have a look what the booklet for
CIELCh(90, 73.573, 148.517)
contains.

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Color

CIELCh(90, 73.501, 148.563)

Conversions

Conversions Part 1

Format	Color
Hex	66FF96
RGB	102, 255, 150
RGB Percent	40%, 100%, 59%
CMY	0.6014, 0.0013, 0.4129
CMYK	0.60, 0.00, 0.41, 0.00
HSL	139°, 100%, 70%
HSV	139°, 60%, 100%
XYZ	46.5722, 76.3034, 40.9999
YIQ	197.2830, -57.4830, -65.0910

Conversions

Conversions Part 2

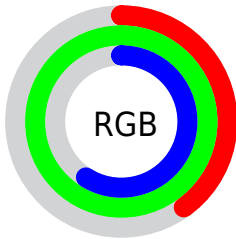
Format	Color
RYB	102, 218, 255
Decimal	6750102
CIELab	90.00, -62.71, 38.34
CIElCh	90, 73.501, 148.563
Yxy	76.3034, 0.2842, 0.4656
Android (android.graphics.Color)	4284940182 (0xFF66FF96)
YUV	197.2830, -23.3105, -83.5632
Hunter-Lab	87.3518, -57.6971, 33.3176

Details

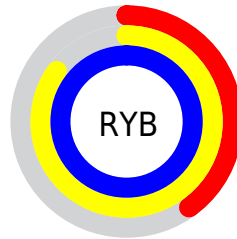
The CIELCh color **90, 73.501, 148.563** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 73.462, 339.972**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 40.398, 157.458**, and **70, 73.330, 148.666** is the 20% darker color. If you saturate the color by 10%, you get **89, 83.530, 146.923**, and if you desaturate by 10%, it is **91, 62.455, 150.010**.

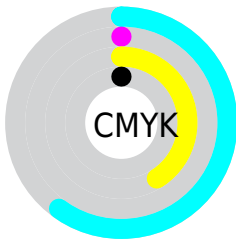
Distribution



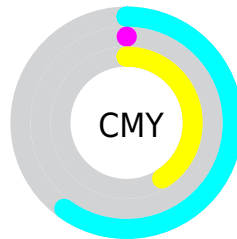
- Red (40%)
- Green (100%)
- Blue (59%)



- Red (40%)
- Yellow (85%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 73.501, 148.563 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, 73.501, 148.563 by changing the saturation by 10% instead.


 90, 73.501,
148.563


 90, 73.501,
148.563


 100, 73.501,
148.563


 80, 73.501,
148.563

 70, 73.501,
148.563

 60, 73.501,
148.563


 50, 73.501,
148.563

 40, 73.501,
148.563


 30, 73.501,
148.563


 20, 73.501,


148.563


 10, 73.501,
148.563


 0, 73.501, 148.563


 90, 73.501,
148.563


 90, 73.501,
148.563

 89, 83.530,
146.923


 91, 62.455,
150.010


 89, 92.342,
145.098

 92, 50.625,
151.272

 88, 99.812,
143.132

 94, 38.260,
152.368

 88, 105.904,
141.162

 96, 25.591,
153.322

■ 98, 12.820,
154.164

100, 0.109,
158.644

100, 0.214,
323.000

Harmonies

Complementary

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



90, 73.501, 148.563



66, 73.462, 339.972

Rectangle

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



90, 73.501, 148.563



90, 73.501, 198.563



90, 73.501, 328.563



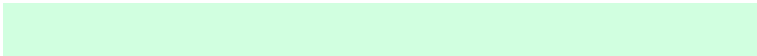
90, 73.501, 18.563

Sweetspot

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



90, 73.502, 148.563



96, 22.945, 153.506



94, 75.752, 118.583



51, 15.948, 153.249



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, 73.502, 148.563



89, 85.397, 146.587



91, 47.724, 176.937



52, 7.227, 154.211



68, 84.661, 141.531



23, 36.461, 144.461

Inverse Universe

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



66, 73.462, 339.972



62, 83.305, 341.437



64, 62.185, 12.938



50, 7.267, 335.492



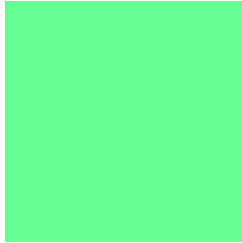
42, 73.663, 345.994



11, 34.722, 343.222

Previews

White Background



This preview shows how the CIE LCh color 90, 73.501, 148.563 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, 73.501, 148.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

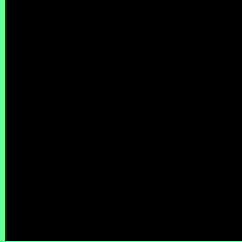
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 73.501, 148.563

Background



This preview shows how black text looks on a background with the CIELCh color 90, 73.501, 148.563.

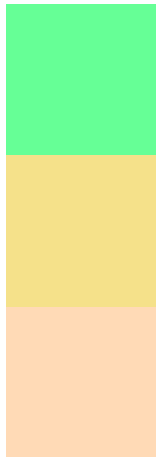


This preview shows how white text looks on a background with the CIELCh color 90, 73.501, 148.563.

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, 73.501, 148.563

Protanopia

89, 45.174, 96.021

Deuteranopia

89, 23.776, 71.108

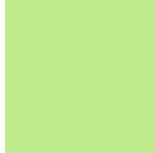


Tritanopia
90, 26.644, 216.232

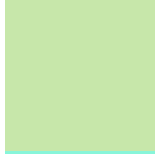
Trichromacy



Original Color
90, 73.501, 148.563



Protanomaly
89, 50.548, 125.644



Deuteranomaly
88, 33.738, 128.712

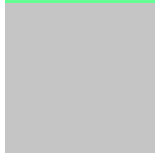


Tritanomaly
90, 38.080, 174.382

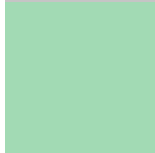
Monochromacy



Original Color
90, 73.501, 148.563



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 28.669, 153.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 73.501, 148.563 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, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 73.501, 148.563 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, 255, 150) }
```

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

```
.border{ border-color:rgb(102, 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(102, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 73.501, 148.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 150) }
```

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

```
.background{ background-color: rgb(102,  
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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