

Converting Colors

CIELCh(100, 84.240, 146.099)

Have a look what the booklet for
CIELCh(100, 84.240, 146.099)
contains.

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Color

CIELCh(91, 67.428, 148.945)

Conversions

Conversions Part 1

Format	Color
Hex	77FFA0
RGB	119, 255, 160
RGB Percent	47%, 100%, 63%
CMY	0.5339, 0.0000, 0.3735
CMYK	0.53, 0.00, 0.37, 0.00
HSL	138°, 100%, 73%
HSV	138°, 53%, 100%
XYZ	49.9316, 78.4833, 45.6593
YIQ	203.5060, -50.5610, -58.3770

Conversions

Conversions Part 2

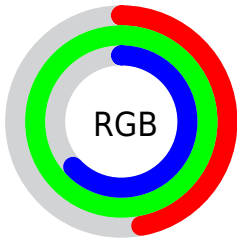
Format	Color
RYB	119, 223, 255
Decimal	7864224
CIELab	91.00, -57.76, 34.78
CIElCh	91, 67.428, 148.945
Yxy	78.4833, 0.2868, 0.4509
Android (android.graphics.Color)	4286054304 (0xFF77FFA0)
YUV	203.5060, -21.4485, -74.1118
Hunter-Lab	88.5908, -54.4276, 31.4558

Details

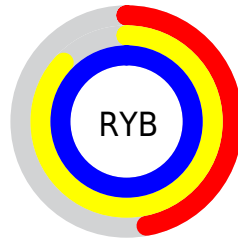
The CIELCh color **91, 67.428, 148.945** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **69, 67.316, 338.590**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.484, 159.508**, and **71, 66.863, 148.955** is the 20% darker color. If you saturate the color by 10%, you get **90, 77.857, 147.534**, and if you desaturate by 10%, it is **92, 55.245, 150.349**.

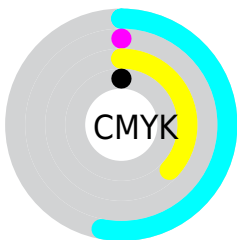
Distribution



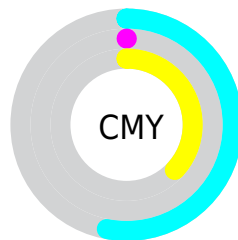
- Red (47%)
- Green (100%)
- Blue (63%)



- Red (47%)
- Yellow (87%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 67.428, 148.945 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 91, 67.428, 148.945 by changing the saturation by 10% instead.


 91, 67.428,
148.945


 91, 67.428,
148.945


 100, 67.428,
148.945


 81, 67.428,
148.945


 71, 67.428,
148.945

 61, 67.428,
148.945


 51, 67.428,
148.945

 41, 67.428,
148.945


 31, 67.428,
148.945


 21, 67.428,


148.945


 11, 67.428,
148.945

 1, 67.428, 148.945

 91, 67.428,
148.945


 91, 67.428,
148.945


 90, 77.857,
147.534


 92, 55.245,
150.349

 89, 87.614,
145.843

 93, 42.878,
151.490

 88, 96.071,
143.985

 95, 30.133,
152.481

 88, 103.117,
142.019

 97, 17.226,
153.348

■ 88, 107.037,
140.744

■ 99, 4.334, 154.165
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.



91, 67.428, 148.945



69, 67.316, 338.590

Rectangle

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



91, 67.428, 148.945



91, 67.428, 198.945



91, 67.428, 328.945



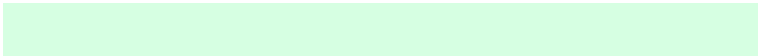
91, 67.428, 18.945

Sweetspot

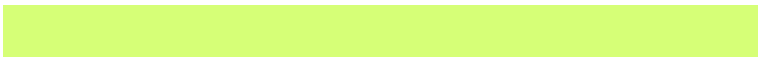
The Sweet Spot groups the original color and five complimentary colors.



91, 66.989, 149.035



97, 20.597, 153.132



95, 68.361, 118.819



51, 13.912, 152.957



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 66.989, 149.035



90, 78.484, 147.436



92, 43.724, 177.793



52, 7.300, 153.660



68, 85.492, 141.106



23, 36.841, 143.992

Inverse Universe

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



69, 67.316, 338.590



64, 77.771, 339.716



67, 55.305, 11.137



50, 7.338, 334.925



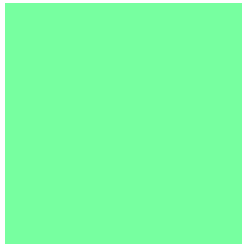
42, 74.297, 344.967



11, 35.006, 342.377

Previews

White Background



This preview shows how the CIE LCh color 91, 67.428, 148.945 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 91, 67.428, 148.945 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 91, 67.428, 148.945

Background



This preview shows how black text looks on a background with the CIELCh color 91, 67.428, 148.945.

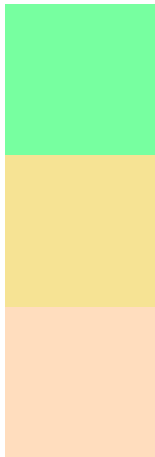


This preview shows how white text looks on a background with the CIELCh color 91, 67.428, 148.945.

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
91, 66.866, 149.083

Protanopia
90, 41.143, 96.048

Deuteranopia
90, 20.849, 69.774

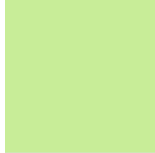


Tritanopia
90, 23.655, 218.808

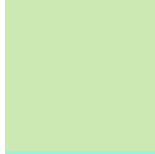
Trichromacy



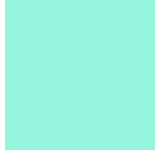
Original Color
91, 66.866, 149.083



Protanomaly
89, 45.562, 125.010



Deuteranomaly
89, 29.790, 128.656

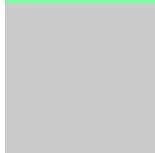


Tritanomaly
90, 34.138, 174.762

Monochromacy



Original Color
91, 66.866, 149.083



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 25.938, 152.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 67.428, 148.945 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(119, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 160)  
}
```

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(119, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 67.428, 148.945 is called "border". The border property can be set on classes, ids or directly on the HTML element.

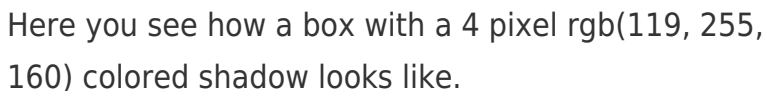
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 255, 160) }
```

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

```
.border{ border-color:rgb(119, 255, 160) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 255, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 255, 160); box-shadow:4px 4px 4px 4px rgb(119, 255, 160) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 67.428, 148.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 160) }
```

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

```
.background{ background-color: rgb(119,  
255, 160) }
```

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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