

Converting Colors

CIELCh(91, 64.029, 146.165)

Have a look what the booklet for
CIELCh(91, 64.029, 146.165)
contains.

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Color

CIELCh(91, 64.225, 146.160)

Conversions

Conversions Part 1

Format	Color
Hex	87FE9E
RGB	135, 254, 158
RGB Percent	53%, 100%, 62%
CMY	0.4707, 0.0040, 0.3805
CMYK	0.47, 0.00, 0.38, 0.00
HSL	132°, 98%, 76%
HSV	132°, 47%, 100%
XYZ	51.5903, 78.4833, 44.7668
YIQ	207.4750, -40.1080, -55.0840

Conversions

Conversions Part 2

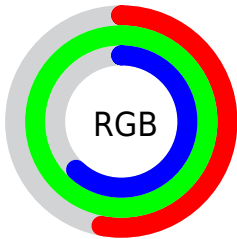
Format	Color
RYB	135, 235, 254
Decimal	8912542
CIELab	91.00, -53.35, 35.77
CIELCh	91, 64.225, 146.160
Yxy	78.4833, 0.2951, 0.4489
Android (android.graphics.Color)	4287102622 (0xFF87FE9E)
YUV	207.4750, -24.3912, -63.5606
Hunter-Lab	88.5908, -51.0856, 32.0531

Details

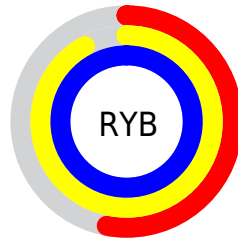
The CIELCh color **91, 64.225, 146.160** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 64.166, 333.407**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 30.556, 152.868**, and **71, 64.178, 146.081** is the 20% darker color. If you saturate the color by 10%, you get **90, 76.621, 144.854**, and if you desaturate by 10%, it is **92, 51.032, 147.302**.

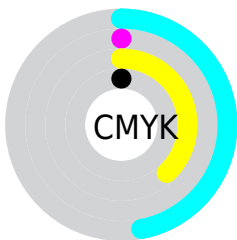
Distribution



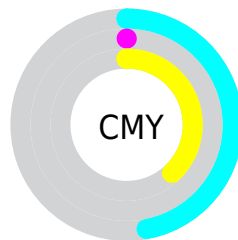
- Red (53%)
- Green (100%)
- Blue (62%)



- Red (53%)
- Yellow (92%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 64.225, 146.160 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, 64.225, 146.160 by changing the saturation by 10% instead.


 91, 64.225,
146.160


 91, 64.225,
146.160


 100, 64.225,
146.160


 81, 64.225,
146.160


 71, 64.225,
146.160

 61, 64.225,
146.160


 51, 64.225,
146.160

 41, 64.225,
146.160


 31, 64.225,
146.160


 21, 64.225,


146.160


 11, 64.225,
146.160

 1, 64.225, 146.160


 91, 64.225,
146.160


 91, 64.225,
146.160


 90, 76.621,
144.854


 92, 51.032,
147.302

 89, 87.893,
143.388

 94, 37.341,
148.290

 88, 97.725,
141.794

 96, 23.416,
149.143

 88, 105.825,
140.141

 98, 9.473, 149.894

100, 0.644,

■ 88,111.972,
138.546

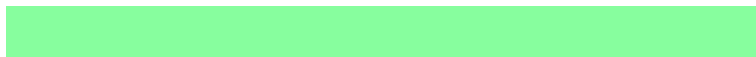
323.983

■ 88,113.529,
138.111

Harmonies

Complementary

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



91, 64.225, 146.160



72, 64.166, 333.407

Rectangle

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



91, 64.225, 146.160



91, 64.225, 196.160



91, 64.225, 326.160



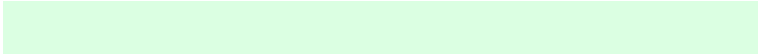
91, 64.225, 16.160

Sweetspot

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



91, 64.226, 146.160



97, 19.491, 149.365



96, 59.325, 114.083



51, 13.467, 149.198



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, 64.226, 146.160



90, 75.844, 144.970



92, 43.013, 169.734



52, 7.896, 149.701



68, 91.123, 138.385



23, 39.606, 140.804

Inverse Universe

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



72, 64.166, 333.407



68, 75.183, 334.074



70, 49.114, 0.934



50, 7.920, 330.861



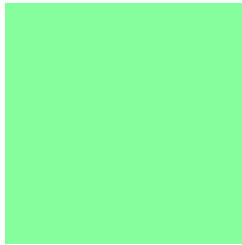
43, 80.078, 337.779



11, 37.492, 336.412

Previews

White Background



This preview shows how the CIE LCh color 91, 64.225, 146.160 looks on a white background.

Color Contrast Check

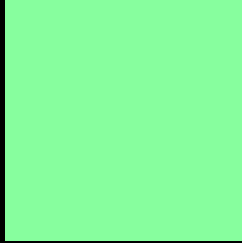
Large Text (above 18pt) WCAG AA × Fail

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, 64.225, 146.160 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, 64.225, 146.160

Background



This preview shows how black text looks on a background with the CIELCh color 91, 64.225, 146.160.

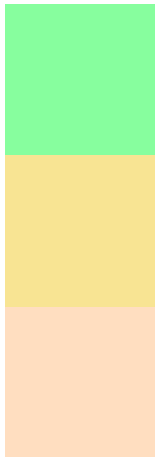


This preview shows how white text looks on a background with the CIELCh color 91, 64.225, 146.160.

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, 64.225, 146.160

Protanopia
91, 42.171, 95.670

Deuteranopia
90, 20.159, 69.790



Tritanopia
91, 21.855, 220.698

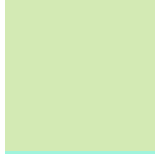
Trichromacy



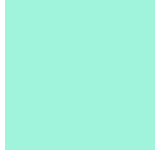
Original Color
91, 64.225, 146.160



Protanomaly
90, 45.209, 121.653



Deuteranomaly
90, 29.119, 125.307

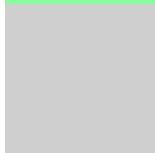


Tritanomaly
90, 30.800, 173.477

Monochromacy



Original Color
91, 64.225, 146.160



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 24.226, 148.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 64.225, 146.160 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(135, 254, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 254, 158)  
}
```

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(135, 254, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 254, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 64.225, 146.160 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(135, 254, 158) }
```

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

```
.border{ border-color:rgb(135, 254, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 254, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 254, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 254, 158);  
box-shadow:4px 4px 4px 4px rgb(135, 254,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 64.225, 146.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 254, 158) }
```

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

```
.background{ background-color: rgb(135,  
254, 158) }
```

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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