

Converting Colors

CIELCh(91, 67.428, 145.422)

Have a look what the booklet for
CIELCh(91, 67.428, 145.422)
contains.

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Color

CIELCh(91, 67.484, 145.431)

Conversions

Conversions Part 1

Format	Color
Hex	83FF99
RGB	131, 255, 153
RGB Percent	51%, 100%, 60%
CMY	0.4871, 0.0008, 0.4008
CMYK	0.49, 0.00, 0.40, 0.00
HSL	131°, 100%, 76%
HSV	131°, 49%, 100%
XYZ	50.7508, 78.4833, 42.5251
YIQ	206.2960, -41.1620, -58.0100

Conversions

Conversions Part 2

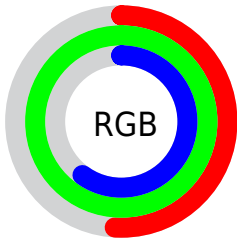
Format	Color
RYB	131, 236, 255
Decimal	8650649
CIELab	91.00, -55.57, 38.29
CIElCh	91, 67.484, 145.431
Yxy	78.4833, 0.2955, 0.4569
Android (android.graphics.Color)	4286840729 (0xFF83FF99)
YUV	206.2960, -26.2749, -66.0346
Hunter-Lab	88.5908, -52.7770, 33.5534

Details

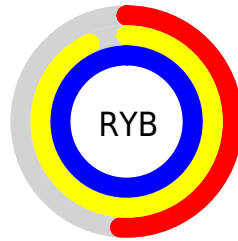
The CIELCh color **91, 67.484, 145.431** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 67.281, 332.926**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 33.417, 151.385**, and **71, 67.050, 145.537** is the 20% darker color. If you saturate the color by 10%, you get **90, 79.858, 144.107**, and if you desaturate by 10%, it is **92, 54.231, 146.594**.

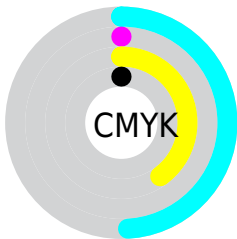
Distribution



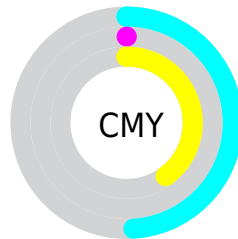
- Red (51%)
- Green (100%)
- Blue (60%)



- Red (51%)
- Yellow (93%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 67.484, 145.431 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, 67.484, 145.431 by changing the saturation by 10% instead.


 91, 67.484,
145.431


 91, 67.484,
145.431


 100, 67.484,
145.431


 81, 67.484,
145.431

 71, 67.484,
145.431

 61, 67.484,
145.431


 51, 67.484,
145.431

 41, 67.484,
145.431


 31, 67.484,
145.431


 21, 67.484,


145.431


 11, 67.484,
145.431


 1, 67.484, 145.431


 91, 67.484,
145.431


 91, 67.484,
145.431


 90, 79.858,
144.107


 92, 54.231,
146.594

 89, 91.011,
142.635

 94, 40.414,
147.602

 88, 100.606,
141.057

 96, 26.315,
148.471

 88, 108.337,
139.457

 98, 12.163,
149.229

■ 88, 113.999,
137.979

100, 0.142,
322.258

■ 88, 114.613,
137.814

Harmonies

Complementary

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



91, 67.484, 145.431



72, 67.281, 332.926

Rectangle

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



91, 67.484, 145.431



91, 67.484, 195.431



91, 67.484, 325.431



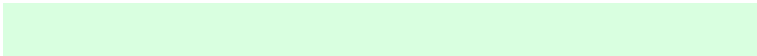
91, 67.484, 15.431

Sweetspot

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



91, 67.485, 145.431



97, 21.132, 148.760



96, 61.477, 113.226



51, 14.428, 148.596



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, 67.485, 145.431



90, 79.117, 144.200



92, 45.194, 168.346



52, 7.986, 149.169



68, 91.799, 138.075



23, 39.972, 140.410

Inverse Universe

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



72, 67.281, 332.926



68, 78.175, 333.581



70, 51.365, 0.088



50, 8.009, 330.316



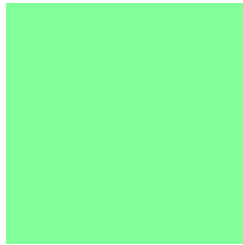
44, 81.033, 336.846



12, 37.891, 335.628

Previews

White Background



This preview shows how the CIE LCh color 91, 67.484, 145.431 looks on a white background.

Color Contrast Check

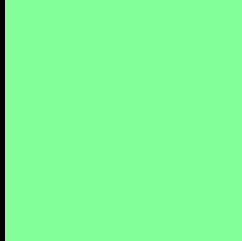
Large Text (above 18pt) WCAG AA × Fail

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, 67.484, 145.431 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, 67.484, 145.431

Background



This preview shows how black text looks on a background with the CIELCh color 91, 67.484, 145.431.

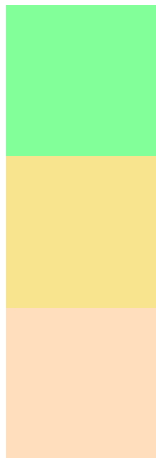


This preview shows how white text looks on a background with the CIELCh color 91, 67.484, 145.431.

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, 67.484, 145.431

Protanopia

91, 44.597, 96.020

Deuteranopia

90, 20.998, 71.412

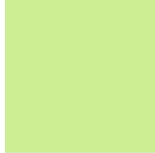


Tritanopia
91, 22.114, 220.407

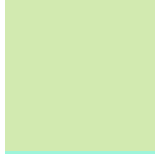
Trichromacy



Original Color
91, 67.484, 145.431



Protanomaly
90, 48.327, 121.920



Deuteranomaly
90, 31.178, 124.766

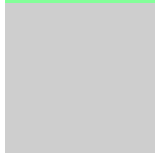


Tritanomaly
91, 32.385, 171.616

Monochromacy



Original Color
91, 67.484, 145.431



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 25.511, 148.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 67.484, 145.431 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(131, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 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(131, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 67.484, 145.431 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(131, 255, 153) }
```

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

```
.border{ border-color:rgb(131, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 67.484, 145.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 153) }
```

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

```
.background{ background-color: rgb(131,  
255, 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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