

Converting Colors

CIELCh(100, 88.228, 143.204)

Have a look what the booklet for
CIELCh(100, 88.228, 143.204)
contains.

CIELCh(91, 71.645, 144.934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 71.645, 144.934)

Conversions

Conversions Part 1

Format	Color
Hex	7CFF93
RGB	124, 255, 147
RGB Percent	49%, 100%, 58%
CMY	0.5140, 0.0000, 0.4242
CMYK	0.51, 0.00, 0.42, 0.00
HSL	130°, 100%, 74%
HSV	130°, 51%, 100%
XYZ	49.6067, 78.4833, 40.0684
YIQ	203.5190, -43.4080, -61.3600

Conversions

Conversions Part 2

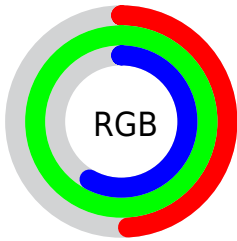
Format	Color
RYB	124, 235, 255
Decimal	8191891
CIELab	91.00, -58.64, 41.16
CIElCh	91, 71.645, 144.934
Yxy	78.4833, 0.2950, 0.4667
Android (android.graphics.Color)	4286381971 (0xFF7CFF93)
YUV	203.5190, -27.8639, -69.7382
Hunter-Lab	88.5908, -55.0824, 35.1975

Details

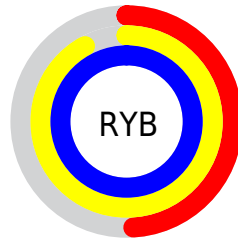
The CIELCh color **91, 71.645, 144.934** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **71, 70.783, 333.005**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 37.134, 150.296**, and **71, 70.747, 145.122** is the 20% darker color. If you saturate the color by 10%, you get **90, 83.261, 143.631**, and if you desaturate by 10%, it is **92, 58.076, 146.201**.

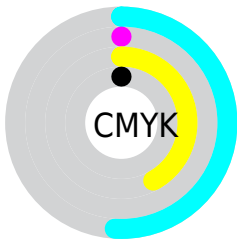
Distribution



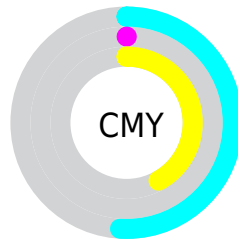
- Red (49%)
- Green (100%)
- Blue (58%)



- Red (49%)
- Yellow (92%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 71.645, 144.934 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, 71.645, 144.934 by changing the saturation by 10% instead.


 91, 71.645,
144.934


 91, 71.645,
144.934


 100, 71.645,
144.934


 81, 71.645,
144.934

 71, 71.645,
144.934

 61, 71.645,
144.934


 51, 71.645,
144.934

 41, 71.645,
144.934


 31, 71.645,
144.934


 21, 71.645,


144.934


 11, 71.645,
144.934


 1, 71.645, 144.934

 91, 71.645,
144.934


 91, 71.645,
144.934


 90, 83.261,
143.631


 92, 58.076,
146.201


 89, 94.041,
142.129

 94, 44.345,
147.248

 88, 103.163,
140.542

 95, 30.259,
148.152

 88, 110.330,
138.968

 97, 16.063,
148.935

■ 88, 114.827,
137.763

■ 100, 1.948,
149.762

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, 71.645, 144.934



71, 70.783, 333.005

Rectangle

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



91, 71.645, 144.934



91, 71.645, 194.934



91, 71.645, 324.934



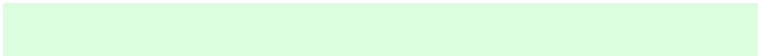
91, 71.645, 14.934

Sweetspot

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



91, 71.158, 144.996



97, 21.175, 148.665



96, 64.655, 113.061



51, 14.458, 148.501



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, 71.158, 144.996



90, 83.950, 143.545



92, 47.386, 167.962



52, 8.003, 149.073



68, 91.917, 138.021



23, 40.036, 140.341

Inverse Universe

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



71, 70.783, 333.005



66, 82.483, 333.749



68, 54.198, 0.646



50, 8.025, 330.218



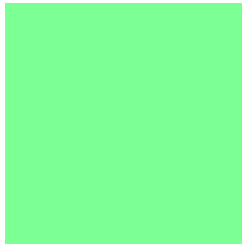
44, 81.209, 336.680



12, 37.965, 335.488

Previews

White Background



This preview shows how the CIE LCh color 91, 71.645, 144.934 looks on a white background.

Color Contrast Check

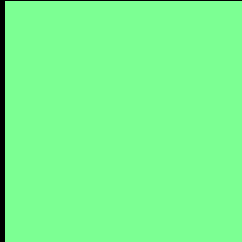
Large Text (above 18pt) WCAG AA × Fail

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, 71.645, 144.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

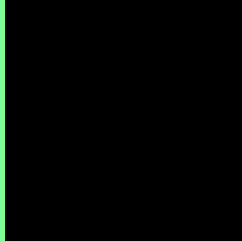
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 71.645, 144.934

Background



This preview shows how black text looks on a background with the CIELCh color 91, 71.645, 144.934.

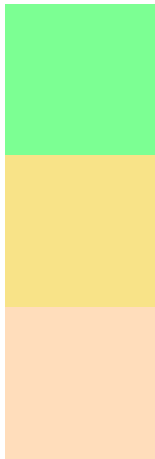


This preview shows how white text looks on a background with the CIELCh color 91, 71.645, 144.934.

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, 71.081, 145.026

Protanopia
90, 47.118, 95.798

Deuteranopia
90, 22.115, 72.073

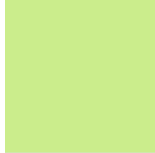


Tritanopia
90, 23.145, 219.314

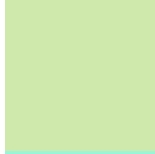
Trichromacy



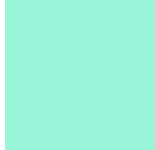
Original Color
91, 71.081, 145.026



Protanomaly
89, 50.797, 121.480



Deuteranomaly
89, 32.893, 125.160

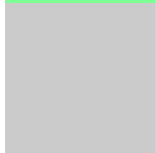


Tritanomaly
90, 34.224, 171.034

Monochromacy



Original Color
91, 71.081, 145.026



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 27.071, 148.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 71.645, 144.934 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(124, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 147)  
}
```

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(124, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 71.645, 144.934 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(124, 255, 147) }
```

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

```
.border{ border-color:rgb(124, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 71.645, 144.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 147) }
```

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

```
.background{ background-color: rgb(124,  
255, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor