

Converting Colors

CIELCh(90, 91.227, 135.371)

Have a look what the booklet for
CIELCh(90, 91.227, 135.371)
contains.

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Color

CIELCh(90, 91.480, 135.315)

Conversions

Conversions Part 1

Format	Color
Hex	7BFF5D
RGB	123, 255, 93
RGB Percent	48%, 100%, 36%
CMY	0.5189, 0.0011, 0.6364
CMYK	0.52, 0.00, 0.64, 0.00
HSL	109°, 100%, 68%
HSV	109°, 64%, 100%
XYZ	45.7517, 76.3034, 22.6071
YIQ	197.0640, -26.6700, -78.3660

Conversions

Conversions Part 2

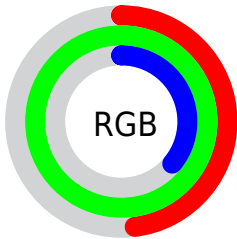
Format	Color
RYB	93, 255, 225
Decimal	8126301
CIELab	90.00, -65.04, 64.33
CIElCh	90, 91.480, 135.315
Yxy	76.3034, 0.3163, 0.5275
Android (android.graphics.Color)	4286316381 (0xFF7BFF5D)
YUV	197.0640, -51.3036, -64.9541
Hunter-Lab	87.3518, -59.3738, 45.8017

Details

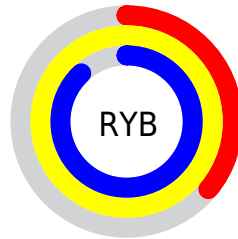
The CIELCh color **90, 91.480, 135.315** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **62, 92.931, 321.759**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 59.503, 132.724**, and **70, 91.354, 135.285** is the 20% darker color. If you saturate the color by 10%, you get **89, 102.287, 134.803**, and if you desaturate by 10%, it is **91, 78.868, 135.981**.

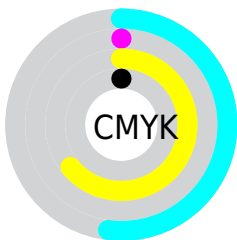
Distribution



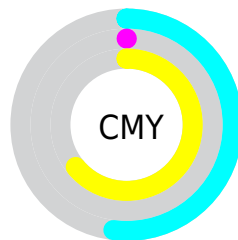
- Red (48%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (88%)



- Cyan (52%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 91.480, 135.315 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, 91.480, 135.315 by changing the saturation by 10% instead.


 90, 91.480,
135.315


 90, 91.480,
135.315


 100, 91.480,
135.315


 80, 91.480,
135.315

 70, 91.480,
135.315

 60, 91.480,
135.315


 50, 91.480,
135.315

 40, 91.480,
135.315


 30, 91.480,
135.315


 20, 91.480,


135.315


 10, 91.480,
135.315


 0, 91.480, 135.315


 90, 91.480,
135.315


 90, 91.480,
135.315

 89, 102.287,
134.803


 91, 78.868,
135.981


 89, 110.624,
134.575

 92, 65.044,
136.694

 88, 115.988,
134.741

 94, 50.475,
137.388

 88, 118.026,
134.993

 95, 35.511,
138.030

97, 20.411,
138.608

99, 5.362, 139.144

100, 0.192,
322.832

Harmonies

Complementary

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



90, 91.480, 135.315



62, 92.931, 321.759

Rectangle

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



90, 91.480, 135.315



90, 91.480, 185.315



90, 91.480, 315.315



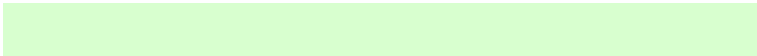
90, 91.480, 5.315

Sweetspot

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



90, 91.481, 135.316



96, 28.602, 138.304



89, 65.742, 92.648



51, 19.695, 138.135



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, 91.481, 135.316



89, 104.636, 134.717



90, 78.022, 147.487



52, 8.525, 138.826



68, 94.960, 134.846



23, 42.372, 134.201

Inverse Universe

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



62, 92.931, 321.759



58, 105.746, 321.842



65, 77.364, 339.649



50, 8.570, 319.670



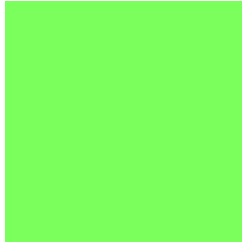
39, 94.659, 321.220



10, 43.418, 322.019

Previews

White Background



This preview shows how the CIE LCh color 90, 91.480, 135.315 looks on a white background.

Color Contrast Check

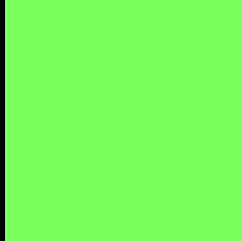
Large Text (above 18pt) WCAG AA × Fail

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, 91.480, 135.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

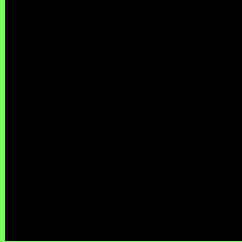
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

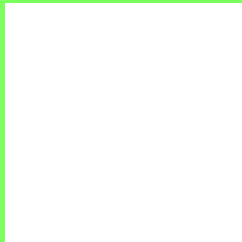
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 91.480, 135.315

Background



This preview shows how black text looks on a background with the CIELCh color 90, 91.480, 135.315.

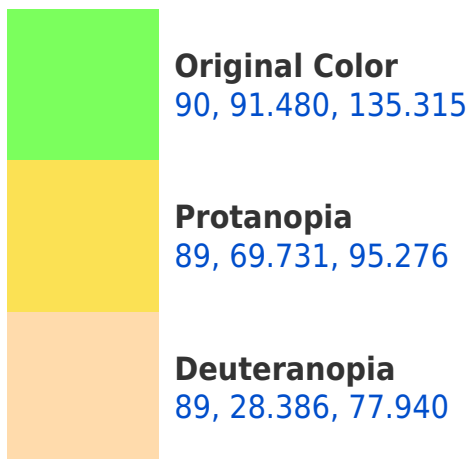



This preview shows how white text looks on a background with the CIELCh color 90, 91.480, 135.315.

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



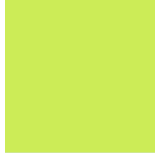


Tritanopia
90, 24.411, 220.802

Trichromacy



Original Color
90, 91.480, 135.315



Protanomaly
89, 73.092, 114.717

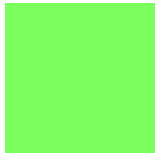


Deuteranomaly
88, 46.293, 118.786

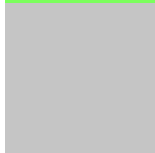


Tritanomaly
89, 40.783, 160.044

Monochromacy



Original Color
90, 91.480, 135.315



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 35.881, 137.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 91.480, 135.315 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(123, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 93)  
}
```

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(123, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 91.480, 135.315 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(123, 255, 93) }
```

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

```
.border{ border-color:rgb(123, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 91.480, 135.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 93) }
```

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

```
.background{ background-color: rgb(123,  
255, 93) }
```

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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