

Converting Colors

CIELCh(90, 81.278, 144.463)

Have a look what the booklet for
CIELCh(90, 81.278, 144.463)
contains.

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Color

CIELCh(90, 81.070, 144.505)

Conversions

Conversions Part 1

Format	Color
Hex	65FF84
RGB	101, 255, 132
RGB Percent	40%, 100%, 52%
CMY	0.6052, 0.0000, 0.4841
CMYK	0.61, 0.00, 0.48, 0.00
HSL	132°, 100%, 70%
HSV	132°, 61%, 100%
XYZ	45.4150, 76.3034, 34.0003
YIQ	194.9320, -52.3010, -70.9010

Conversions

Conversions Part 2

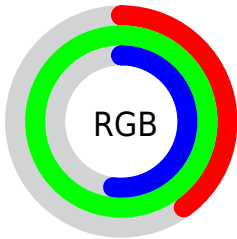
Format	Color
RYB	101, 229, 255
Decimal	6684548
CIELab	90.00, -66.00, 47.07
CIELCh	90, 81.070, 144.505
Yxy	76.3034, 0.2916, 0.4900
Android (android.graphics.Color)	4284874628 (0xFF65FF84)
YUV	194.9320, -31.0255, -82.3784
Hunter-Lab	87.3518, -60.0619, 38.0686

Details

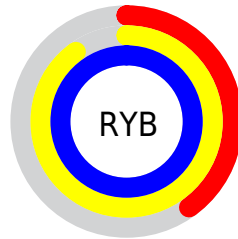
The CIELCh color **90, 81.070, 144.505** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 79.628, 334.697**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 47.457, 149.472**, and **70, 80.710, 144.530** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.542, 143.017**, and if you desaturate by 10%, it is **91, 68.759, 145.917**.

Distribution



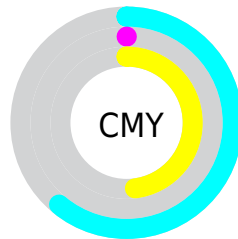
- Red (40%)
- Green (100%)
- Blue (52%)



- Red (40%)
- Yellow (90%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 81.070, 144.505 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, 81.070, 144.505 by changing the saturation by 10% instead.


 90, 81.070,
144.505


 90, 81.070,
144.505


 100, 81.070,
144.505


 80, 81.070,
144.505

 70, 81.070,
144.505

 60, 81.070,
144.505


 50, 81.070,
144.505

 40, 81.070,
144.505


 30, 81.070,
144.505


 20, 81.070,


144.505


 10, 81.070,
144.505


 0, 81.070, 144.505


 90, 81.070,
144.505


 90, 81.070,
144.505


 89, 91.542,
143.017


 91, 68.759,
145.917


 88, 100.785,
141.376

 92, 55.843,
147.123

 88, 108.233,
139.704

 94, 42.325,
148.169

 88, 113.523,
138.240

 96, 28.482,
149.072

■ 98, 14.548,
149.857

100, 0.704,
151.024

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.



90, 81.070, 144.505



66, 79.628, 334.697

Rectangle

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



90, 81.070, 144.505



90, 81.070, 194.505



90, 81.070, 324.505



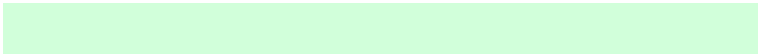
90, 81.070, 14.505

Sweetspot

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



90, 80.765, 144.544



96, 24.972, 149.280



95, 74.920, 114.126



51, 17.363, 149.039



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, 80.765, 144.544



89, 93.989, 142.618



91, 52.503, 168.946



52, 7.858, 149.932



68, 90.822, 138.524



23, 39.446, 140.980

Inverse Universe

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



66, 79.628, 334.697



62, 90.387, 335.707



64, 62.751, 5.320



50, 7.883, 331.098



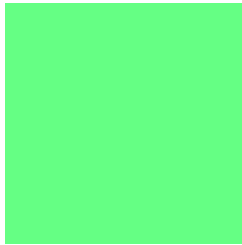
43, 79.678, 338.188



11, 37.324, 336.754

Previews

White Background



This preview shows how the CIE LCh color 90, 81.070, 144.505 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, 81.070, 144.505 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, 81.070, 144.505

Background



This preview shows how black text looks on a background with the CIELCh color 90, 81.070, 144.505.

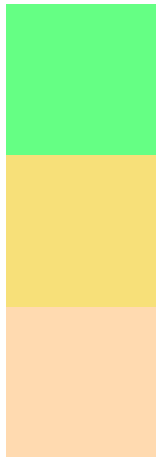


This preview shows how white text looks on a background with the CIELCh color 90, 81.070, 144.505.

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

90, 80.545, 144.603

Protanopia

89, 53.052, 95.399

Deuteranopia

89, 26.384, 74.756

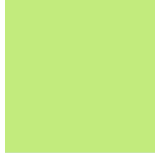


Tritanopia
89, 26.975, 217.185

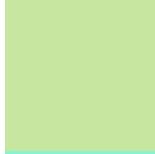
Trichromacy



Original Color
90, 80.545, 144.603



Protanomaly
88, 57.585, 122.085



Deuteranomaly
88, 38.497, 125.840

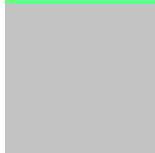


Tritanomaly
89, 40.017, 170.509

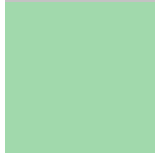
Monochromacy



Original Color
90, 80.545, 144.603



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 31.514, 148.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 81.070, 144.505 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(101, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 132)  
}
```

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(101, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 81.070, 144.505 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(101, 255, 132) }
```

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

```
.border{ border-color:rgb(101, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 81.070, 144.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 132) }
```

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

```
.background{ background-color: rgb(101,  
255, 132) }
```

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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