

Converting Colors

CIELCh(100, 100.126, 142.304)

Have a look what the booklet for
CIELCh(100, 100.126, 142.304)
contains.

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Color

CIELCh(90, 83.146, 144.116)

Conversions

Conversions Part 1

Format	Color
Hex	61FF80
RGB	97, 255, 128
RGB Percent	38%, 100%, 50%
CMY	0.6188, 0.0000, 0.4982
CMYK	0.62, 0.00, 0.50, 0.00
HSL	132°, 100%, 69%
HSV	132°, 62%, 100%
XYZ	44.9423, 76.3034, 32.7648
YIQ	193.2800, -53.4010, -72.9930

Conversions

Conversions Part 2

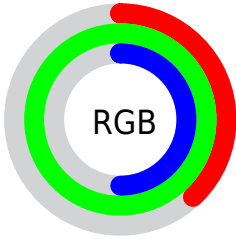
Format	Color
RYB	97, 229, 255
Decimal	6422400
CIELab	90.00, -67.37, 48.74
CIELCh	90, 83.146, 144.116
Yxy	76.3034, 0.2918, 0.4954
Android (android.graphics.Color)	4284612480 (0xFF61FF80)
YUV	193.2800, -32.1830, -84.4376
Hunter-Lab	87.3518, -61.0278, 38.9072

Details

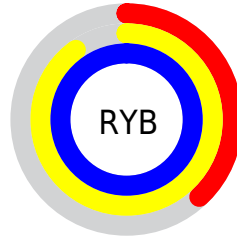
The CIELCh color **90, 83.146, 144.116** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66, 81.262, 334.580**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 49.678, 148.683**, and **70, 82.221, 143.801** is the 20% darker color. If you saturate the color by 10%, you get **89, 93.229, 142.643**, and if you desaturate by 10%, it is **91, 70.719, 145.572**.

Distribution



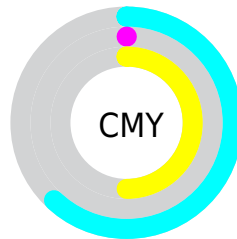
- Red (38%)
- Green (100%)
- Blue (50%)



- Red (38%)
- Yellow (90%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 83.146, 144.116 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, 83.146, 144.116 by changing the saturation by 10% instead.


 90, 83.146,
144.116


 90, 83.146,
144.116


 100, 83.146,
144.116


 80, 83.146,
144.116


 70, 83.146,
144.116

 60, 83.146,
144.116


 50, 83.146,
144.116

 40, 83.146,
144.116


 30, 83.146,
144.116


 20, 83.146,

144.116


 10, 83.146,
144.116


 0, 83.146, 144.116


 90, 83.146,
144.116


 90, 83.146,
144.116

 89, 93.229,
142.643


 91, 70.719,
145.572


 88, 102.250,
141.004

 92, 57.859,
146.797

 88, 109.417,
139.357

 94, 44.353,
147.862

 88, 113.804,
138.137

 95, 30.486,
148.781

■ 97, 16.498,
149.577

■ 100, 2.581,
150.375

■ 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, 83.146, 144.116



66, 81.262, 334.580

Rectangle

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



90, 83.146, 144.116



90, 83.146, 194.116



90, 83.146, 324.116



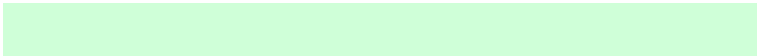
90, 83.146, 14.116

Sweetspot

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



90, 82.617, 144.182



96, 26.467, 149.021



95, 76.130, 113.302



51, 18.223, 148.782



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, 82.617, 144.182



89, 95.288, 142.301



91, 54.236, 167.539



52, 7.887, 149.753



68, 91.056, 138.415



23, 39.571, 140.843

Inverse Universe

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



66, 81.262, 334.580



62, 91.391, 335.548



63, 64.141, 4.410



50, 7.912, 330.914



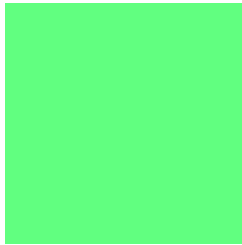
43, 79.988, 337.870



11, 37.454, 336.488

Previews

White Background



This preview shows how the CIE LCh color 90, 83.146, 144.116 looks on a white background.

Color Contrast Check

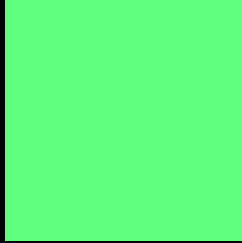
Large Text (above 18pt) WCAG AA × Fail

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, 83.146, 144.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

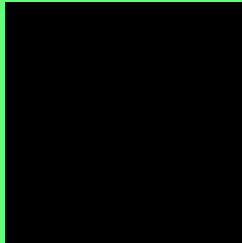
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

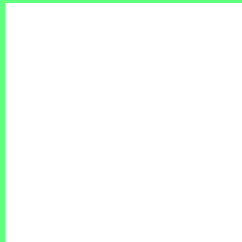
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 83.146, 144.116

Background



This preview shows how black text looks on a background with the CIELCh color 90, 83.146, 144.116.

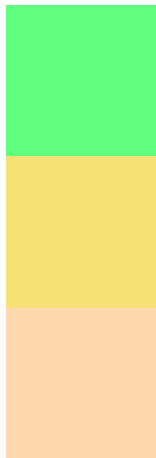


This preview shows how white text looks on a background with the CIELCh color 90, 83.146, 144.116.

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, 82.630, 144.213

Protanopia
89, 54.903, 95.562

Deuteranopia
89, 27.085, 74.574

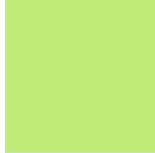


Tritanopia
89, 27.451, 216.811

Trichromacy



Original Color
90, 82.630, 144.213



Protanomaly
88, 59.483, 121.840



Deuteranomaly
88, 40.052, 125.599

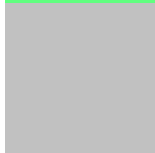


Tritanomaly
89, 40.992, 170.302

Monochromacy



Original Color
90, 82.630, 144.213



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 32.827, 148.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 83.146, 144.116 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(97, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 128)  
}
```

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(97, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 83.146, 144.116 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(97, 255, 128) }
```

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

```
.border{ border-color:rgb(97, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 83.146, 144.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 128) }
```

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

```
.background{ background-color: rgb(97, 255,  
128) }
```

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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