

Converting Colors

CIELCh(90, 81.637, 125.027)

Have a look what the booklet for
CIELCh(90, 81.637, 125.027)
contains.

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Color

CIELCh(90, 81.574, 125.098)

Conversions

Conversions Part 1

Format	Color
Hex	ADF758
RGB	173, 247, 88
RGB Percent	68%, 97%, 35%
CMY	0.3206, 0.0303, 0.6539
CMYK	0.30, 0.00, 0.64, 0.03
HSL	88°, 91%, 66%
HSV	88°, 64%, 97%
XYZ	52.4033, 76.3034, 21.2539
YIQ	206.7480, 6.9350, -65.1370

Conversions

Conversions Part 2

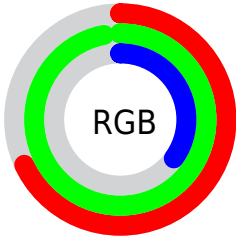
Format	Color
R_{YB}	88, 247, 162
Decimal	11401048
CIE _{Lab}	90.00, -46.90, 66.74
CIE _{LCh}	90, 81.574, 125.098
Yxy	76.3034, 0.3494, 0.5088
Android (android.graphics.Color)	4289591128 (0xFFADF758)
YUV	206.7480, -58.5428, -29.5970
Hunter-Lab	87.3518, -45.7814, 46.7202

Details

The CIELCh color **90, 81.574, 125.098** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **53, 90.920, 311.311**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 55.727, 115.337**, and **70, 81.507, 125.163** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.213, 125.125**, and if you desaturate by 10%, it is **91, 70.416, 125.337**.

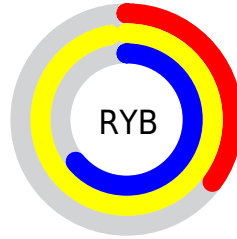
Distribution



Red (68%)

Green (97%)

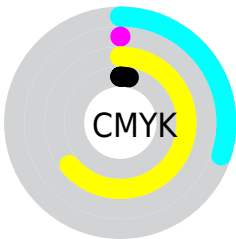
Blue (35%)



Red (35%)

Yellow (97%)

Blue (64%)

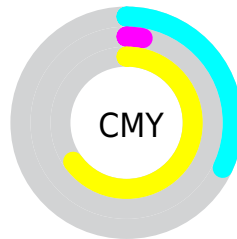


Cyan (30%)

Magenta (0%)

Yellow (64%)

Black (3%)



Cyan (32%)

Magenta (3%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 81.574, 125.098 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, 81.574, 125.098 by changing the saturation by 10% instead.

■ 90, 81.574,
125.098

■ 90, 81.574,
125.098

■ 100, 81.574,
125.098

■ 80, 81.574,
125.098

■ 70, 81.574,
125.098

■ 60, 81.574,
125.098

■ 50, 81.574,
125.098

■ 40, 81.574,
125.098

■ 30, 81.574,
125.098

■ 20, 81.574,

125.098

■ 10, 81.574,
125.098

■ 0, 81.574, 125.098

■ 90, 81.574,
125.098

■ 90, 81.574,
125.098

■ 89, 91.213,
125.125

■ 91, 70.416,
125.337

■ 89, 98.744,
125.545

■ 92, 58.257,
125.729

■ 88, 103.745,
126.462

■ 93, 45.480,
126.199

■ 88, 105.671,
127.153

■ 94, 32.354,
126.696

95, 19.059,
127.192

97, 5.722, 127.679

98, 4.593, 320.287

98, 4.815, 324.545

Harmonies

Complementary

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



90, 81.574, 125.098



53, 90.920, 311.311

Rectangle

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



90, 81.574, 125.098



90, 81.574, 175.098



90, 81.574, 305.098



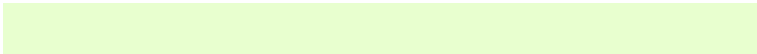
90, 81.574, 355.098

Sweetspot

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



90, 81.575, 125.099



97, 25.952, 126.959



73, 56.333, 62.451



52, 17.855, 126.817



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, 81.575, 125.099



92, 95.784, 125.198



87, 93.236, 137.875



51, 7.506, 127.426



68, 85.156, 126.862



22, 36.123, 125.581

Inverse Universe

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



53, 90.920, 311.311



48, 109.164, 311.685



63, 92.500, 326.030



47, 7.617, 308.286



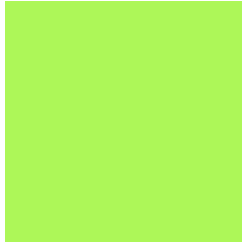
28, 99.242, 311.134



5, 41.397, 311.377

Previews

White Background



This preview shows how the CIE LCh color 90, 81.574, 125.098 looks on a white background.

Color Contrast Check

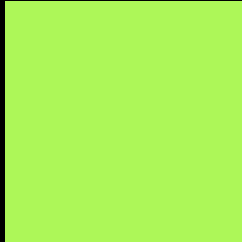
Large Text (above 18pt) WCAG AA × Fail

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, 81.574, 125.098 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, 81.574, 125.098

Background



This preview shows how black text looks on a background with the CIELCh color 90, 81.574, 125.098.

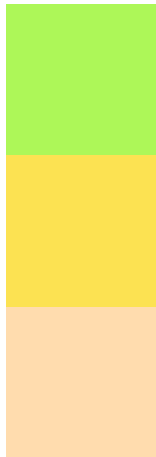


This preview shows how white text looks on a background with the CIELCh color 90, 81.574, 125.098.

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, 81.574, 125.098

Protanopia
90, 70.890, 95.347

Deuteranopia
90, 27.692, 78.203

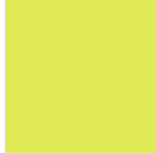


Tritanopia
90, 15.179, 239.638

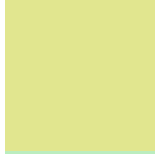
Trichromacy



Original Color
90, 81.574, 125.098



Protanomaly
89, 72.329, 107.936



Deuteranomaly
89, 44.260, 109.119

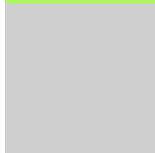


Tritanomaly
89, 30.077, 145.266

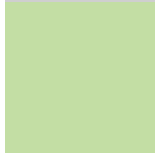
Monochromacy



Original Color
90, 81.574, 125.098



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 31.852, 126.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 81.574, 125.098 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(173, 247, 88)` looks like.

```
.text, #text, p{  
    color:rgb(173, 247, 88)  
}
```

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(173, 247, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 247, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 81.574, 125.098 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(173, 247, 88) }
```

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

```
.border{ border-color:rgb(173, 247, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 247, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 247, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 247, 88);  
box-shadow:4px 4px 4px 4px rgb(173, 247,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 81.574, 125.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 247, 88) }
```

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

```
.background{ background-color: rgb(173,  
247, 88) }
```

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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