

Converting Colors

CIELCh(90, 49.263, 127.278)

Have a look what the booklet for
CIELCh(90, 49.263, 127.278)
contains.

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Color

CIELCh(90, 48.857, 127.298)

Conversions

Conversions Part 1

Format	Color
Hex	C3F096
RGB	195, 240, 150
RGB Percent	76%, 94%, 59%
CMY	0.2344, 0.0579, 0.4109
CMYK	0.19, 0.00, 0.37, 0.06
HSL	90°, 75%, 77%
HSV	90°, 37%, 94%
XYZ	59.3198, 76.3034, 40.5500
YIQ	216.2850, 2.0700, -37.5300

Conversions

Conversions Part 2

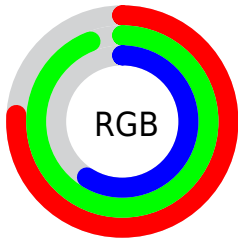
Format	Color
RYB	150, 240, 195
Decimal	12841110
CIELab	90.00, -29.61, 38.87
CIELCh	90, 48.857, 127.298
Yxy	76.3034, 0.3367, 0.4331
Android (android.graphics.Color)	4291031190 (0xFFC3F096)
YUV	216.2850, -32.6785, -18.6669
Hunter-Lab	87.3518, -31.6478, 33.6230

Details

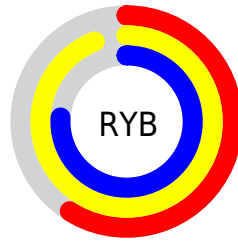
The CIELCh color **90, 48.857, 127.298** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69, 51.573, 310.949**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 25.252, 109.962**, and **70, 48.849, 127.324** is the 20% darker color. If you saturate the color by 10%, you get **89, 61.315, 126.848**, and if you desaturate by 10%, it is **91, 35.994, 127.787**.

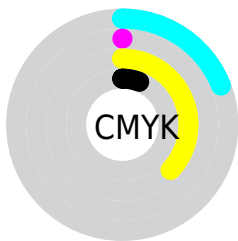
Distribution



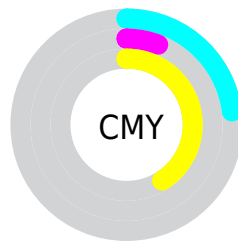
- Red (76%)
- Green (94%)
- Blue (59%)



- Red (59%)
- Yellow (94%)
- Blue (76%)



- Cyan (19%)
- Magenta (0%)
- Yellow (37%)
- Black (6%)




- Cyan (23%)
- Magenta (6%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 48.857, 127.298 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, 48.857, 127.298 by changing the saturation by 10% instead.

 90, 48.857,
127.298

 90, 48.857,
127.298

 100, 48.857,
127.298

 80, 48.857,
127.298

 70, 48.857,
127.298

 60, 48.857,
127.298

 50, 48.857,
127.298

 40, 48.857,
127.298

 30, 48.857,
127.298

 20, 48.857,

127.298

■ 10, 48.857,
127.298

■ 0, 48.857, 127.298

■ 90, 48.857,
127.298

■ 90, 48.857,
127.298

■ 89, 61.315,
126.848

■ 91, 35.994,
127.787

■ 88, 73.068,
126.489

■ 92, 22.923,
128.277

■ 87, 83.701,
126.310

■ 94, 9.785, 128.752

■ 95, 3.320, 309.134

■ 86, 92.672,
126.430

■ 96, 9.198, 324.728

■ 86, 99.422,
126.978

■ 85, 103.691,
128.023

■ 85, 104.554,
128.315

Harmonies

Complementary

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



90, 48.857, 127.298



69, 51.573, 310.949

Rectangle

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



90, 48.857, 127.298



90, 48.857, 177.298



90, 48.857, 307.298



90, 48.857, 357.298

Sweetspot

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



90, 48.859, 127.299



98, 15.138, 128.584



81, 30.187, 68.996



52, 10.174, 128.520



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, 48.859, 127.299



94, 61.168, 126.947



88, 56.462, 141.259



50, 7.435, 128.658



67, 85.230, 128.036



20, 35.132, 127.002

Inverse Universe

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



69, 51.573, 310.949



68, 65.380, 311.369



74, 56.443, 325.976



46, 7.538, 309.484



29, 97.494, 311.902



5, 39.632, 312.066

Previews

White Background



This preview shows how the CIELCh color 90, 48.857, 127.298 looks on a white background.

Color Contrast Check

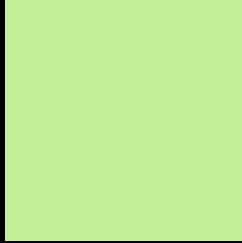
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 48.857, 127.298 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, 48.857, 127.298

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.857, 127.298.

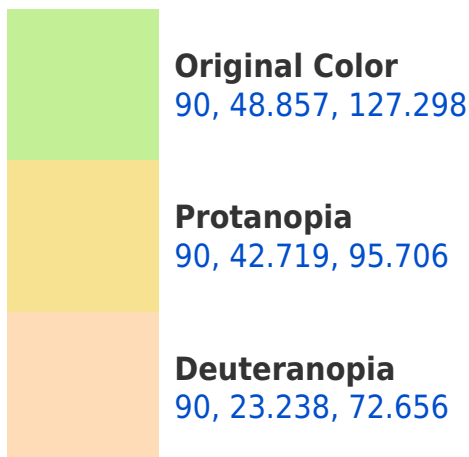


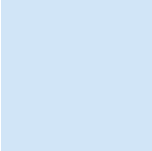
This preview shows how white text looks on a background with the CIELCh color 90, 48.857, 127.298.

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, 11.385, 254.632

Trichromacy



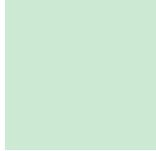
Original Color
90, 48.857, 127.298



Protanomaly
90, 43.222, 108.210



Deuteranomaly
90, 28.405, 103.098

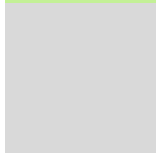


Tritanomaly
90, 15.148, 152.472

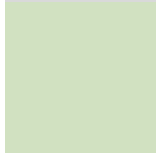
Monochromacy



Original Color
90, 48.857, 127.298



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 17.692, 128.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.857, 127.298 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(195, 240, 150)` looks like.

```
.text, #text, p{  
    color:rgb(195, 240, 150)  
}
```

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(195, 240, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 240, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.857, 127.298 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(195, 240, 150) }
```

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

```
.border{ border-color:rgb(195, 240, 150) }
```

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

Here you see how a box with a 4 pixel rgb(195, 240, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 240, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 240, 150);  
box-shadow:4px 4px 4px 4px rgb(195, 240,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.857, 127.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 240, 150) }
```

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

```
.background{ background-color: rgb(195,  
240, 150) }
```

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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