

Converting Colors

CIELCh(90, 70.169, 118.044)

Have a look what the booklet for
CIELCh(90, 70.169, 118.044)
contains.

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Color

CIELCh(90, 70.185, 118.038)

Conversions

Conversions Part 1

Format	Color
Hex	C9F165
RGB	201, 241, 101
RGB Percent	79%, 95%, 40%
CMY	0.2116, 0.0547, 0.6037
CMYK	0.17, 0.00, 0.58, 0.05
HSL	77°, 83%, 67%
HSV	77°, 58%, 95%
XYZ	57.9210, 76.3034, 23.9987
YIQ	213.0800, 21.1000, -52.0200

Conversions

Conversions Part 2

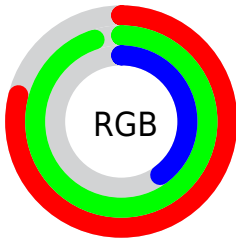
Format	Color
RYB	101, 241, 141
Decimal	13234533
CIELab	90.00, -32.99, 61.95
CIELCh	90, 70.185, 118.038
Yxy	76.3034, 0.3661, 0.4823
Android (android.graphics.Color)	4291424613 (0xFFC9F165)
YUV	213.0800, -55.2554, -10.5942
Hunter-Lab	87.3518, -34.5064, 44.8572

Details

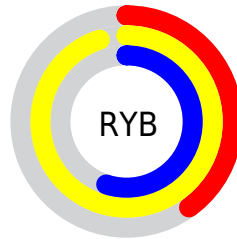
The CIELCh color **90, 70.185, 118.038** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **53, 80.555, 306.015**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **70, 70.413, 118.027** is the 20% darker color. If you saturate the color by 10%, you get **89, 79.994, 117.802**, and if you desaturate by 10%, it is **91, 59.196, 118.464**.

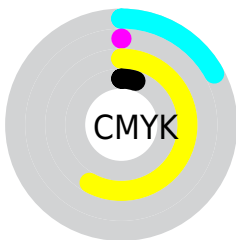
Distribution



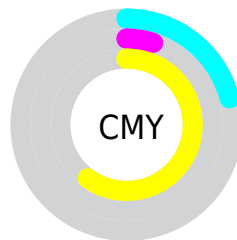
- Red (79%)
- Green (95%)
- Blue (40%)



- Red (40%)
- Yellow (95%)
- Blue (55%)



- Cyan (17%)
- Magenta (0%)
- Yellow (58%)
- Black (5%)





- Cyan (21%)
- Magenta (5%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 70.185, 118.038 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, 70.185, 118.038 by changing the saturation by 10% instead.


 90, 70.185,
118.038


 90, 70.185,
118.038


 100, 70.185,
118.038


 80, 70.185,
118.038

 70, 70.185,
118.038

 60, 70.185,
118.038

 50, 70.185,
118.038

 40, 70.185,
118.038

 30, 70.185,
118.038

 20, 70.185,

118.038

■ 10, 70.185,
118.038

■ 0, 70.185, 118.038

■ 90, 70.185,
118.038

■ 90, 70.185,
118.038

■ 89, 79.994,
117.802

■ 91, 59.196,
118.464

■ 89, 88.068,
117.856

■ 91, 47.451,
118.998

■ 88, 93.856,
118.310

■ 92, 35.248,
119.586

■ 88, 97.172,
119.221

■ 93, 22.784,
120.193

88, 97.672,
119.417

94, 10.193,
120.797

95, 2.435, 301.354

96, 7.739, 312.311

97, 8.692, 324.708

Harmonies

Complementary

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



90, 70.185, 118.038



53, 80.555, 306.015

Rectangle

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



90, 70.185, 118.038



90, 70.185, 168.038



90, 70.185, 298.038



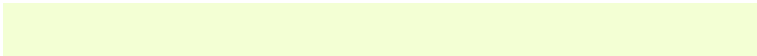
90, 70.185, 348.038

Sweetspot

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



90, 70.186, 118.040



98, 22.428, 120.255



68, 50.857, 47.408



52, 14.994, 120.133



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, 70.186, 118.040



94, 85.442, 117.786



86, 80.307, 134.927



50, 7.136, 120.713



69, 79.518, 119.175



21, 33.094, 118.259

Inverse Universe

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



53, 80.555, 306.015



48, 101.845, 307.137



61, 82.164, 320.652



46, 7.274, 301.842



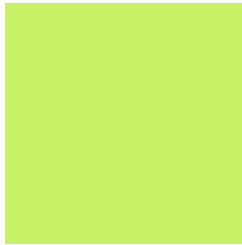
24, 101.701, 308.150



4, 38.723, 305.598

Previews

White Background



This preview shows how the CIELCh color 90, 70.185, 118.038 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, 70.185, 118.038 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, 70.185, 118.038

Background



This preview shows how black text looks on a background with the CIELCh color 90, 70.185, 118.038.

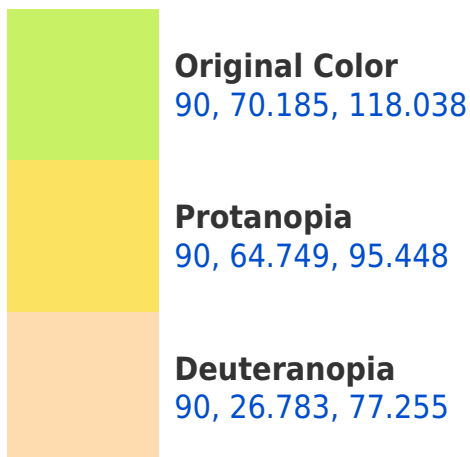


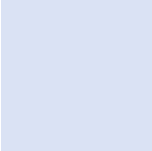
This preview shows how white text looks on a background with the CIELCh color 90, 70.185, 118.038.

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



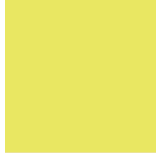


Tritanopia
90, 9.700, 274.543

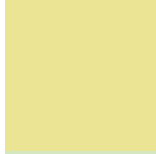
Trichromacy



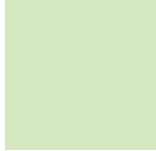
Original Color
90, 70.185, 118.038



Protanomaly
90, 65.355, 104.061



Deuteranomaly
90, 40.439, 102.840

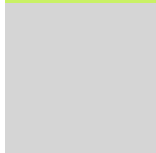


Tritanomaly
89, 21.394, 127.851

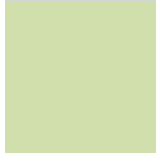
Monochromacy



Original Color
90, 70.185, 118.038



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 26.968, 119.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 70.185, 118.038 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(201, 241, 101)` looks like.

```
.text, #text, p{  
    color:rgb(201, 241, 101)  
}
```

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(201, 241, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 241, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 70.185, 118.038 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(201, 241, 101) }
```

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

```
.border{ border-color:rgb(201, 241, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 241, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 241, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 241, 101);  
box-shadow:4px 4px 4px 4px rgb(201, 241,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 70.185, 118.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 241, 101) }
```

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

```
.background{ background-color: rgb(201,  
241, 101) }
```

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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