

Converting Colors

CIELCh(95, 70.592, 116.613)

Have a look what the booklet for
CIELCh(95, 70.592, 116.613)
contains.

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Color

CIELCh(95, 70.766, 116.631)

Conversions

Conversions Part 1

Format	Color
Hex	DBFF70
RGB	219, 255, 112
RGB Percent	86%, 100%, 44%
CMY	0.1418, 0.0006, 0.5614
CMYK	0.14, 0.00, 0.56, 0.00
HSL	75°, 100%, 72%
HSV	75°, 56%, 100%
XYZ	67.7888, 87.6183, 28.6239
YIQ	227.9340, 24.4470, -52.1050

Conversions

Conversions Part 2

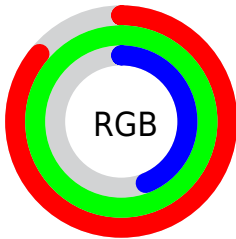
Format	Color
RYB	112, 255, 148
Decimal	14417776
CIELab	95.00, -31.72, 63.26
CIELCh	95, 70.766, 116.631
Yxy	87.6183, 0.3684, 0.4761
Android (android.graphics.Color)	4292607856 (0xFFDBFF70)
YUV	227.9340, -57.1555, -7.8351
Hunter-Lab	93.6047, -34.5380, 47.3927

Details

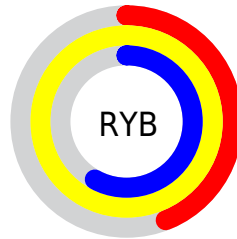
The CIELCh color **95, 70.766, 116.631** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **57, 81.289, 304.933**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 43.504, 106.854**, and **75, 70.734, 116.652** is the 20% darker color. If you saturate the color by 10%, you get **94, 81.182, 116.317**, and if you desaturate by 10%, it is **96, 59.194, 117.117**.

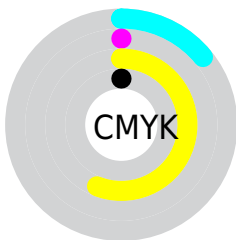
Distribution



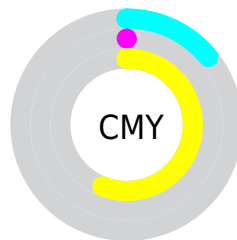
- Red (86%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (58%)



- Cyan (14%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 70.766, 116.631 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 95, 70.766, 116.631 by changing the saturation by 10% instead.


 95, 70.766,
116.631


 95, 70.766,
116.631


 100, 70.766,
116.631


 85, 70.766,
116.631

 75, 70.766,
116.631

 65, 70.766,
116.631

 55, 70.766,
116.631

 45, 70.766,
116.631

 35, 70.766,
116.631

 25, 70.766,

116.631

■ 15, 70.766,
116.631

■ 5, 70.766, 116.631

■ 95, 70.766,
116.631

■ 95, 70.766,
116.631

■ 94, 81.182,
116.317

■ 96, 59.194,
117.117

■ 94, 89.873,
116.264

■ 96, 46.888,
117.697

■ 93, 96.240,
116.581

■ 97, 34.139,
118.325

■ 93, 99.938,
117.346

■ 98, 21.142,
118.968

■ 93, 100.883,
117.724

■ 99, 8.024, 119.605
100, 0.106,
321.534

Harmonies

Complementary

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



95, 70.766, 116.631



57, 81.289, 304.933

Rectangle

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



95, 70.766, 116.631



95, 70.766, 166.631



95, 70.766, 296.631



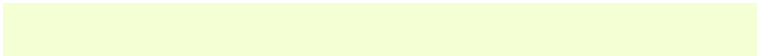
95, 70.766, 346.631

Sweetspot

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



95, 70.767, 116.633



98, 22.316, 118.911



72, 51.842, 44.458



52, 14.918, 118.781



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 70.767, 116.633



94, 82.074, 116.300



91, 80.673, 134.192



53, 7.471, 119.390



72, 81.194, 117.499



25, 36.560, 116.278

Inverse Universe

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



57, 81.289, 304.933



50, 97.741, 306.101



65, 83.066, 319.571



49, 7.623, 300.599



25, 105.434, 307.736



4, 44.661, 306.619

Previews

White Background



This preview shows how the CIELCh color 95, 70.766, 116.631 looks on a white background.

Color Contrast Check

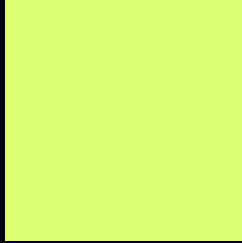
Large Text (above 18pt) WCAG AA × Fail

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 95, 70.766, 116.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

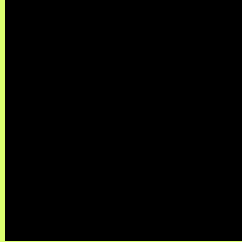
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 70.766, 116.631

Background



This preview shows how black text looks on a background with the CIELCh color 95, 70.766, 116.631.

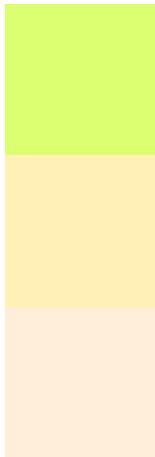


This preview shows how white text looks on a background with the CIELCh color 95, 70.766, 116.631.

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](#).

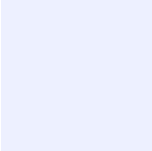
Dichromacy



Original Color
95, 70.766, 116.631

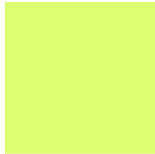
Protanopia
95, 30.121, 96.680

Deuteranopia
95, 11.788, 75.019



Tritanopia
95, 7.763, 283.171

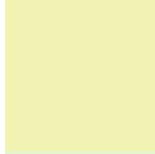
Trichromacy



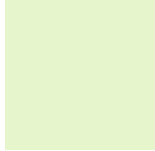
Original Color
95, 70.766, 116.631



Protanomaly
95, 44.770, 108.170



Deuteranomaly
94, 32.491, 108.293

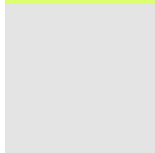


Tritanomaly
94, 22.164, 123.022

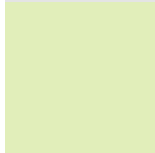
Monochromacy



Original Color
95, 70.766, 116.631



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 27.072, 118.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 70.766, 116.631 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(219, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 112)  
}
```

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(219, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 70.766, 116.631 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(219, 255, 112) }
```

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

```
.border{ border-color:rgb(219, 255, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 70.766, 116.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 112) }
```

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

```
.background{ background-color: rgb(219,  
255, 112) }
```

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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