

Converting Colors

CIELCh(95, 74.722, 117.156)

Have a look what the booklet for
CIELCh(95, 74.722, 117.156)
contains.

CIELCh(95, 74.365, 117.089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(95, 74.365, 117.089)

Conversions

Conversions Part 1

Format	Color
Hex	D8FF69
RGB	216, 255, 105
RGB Percent	85%, 100%, 41%
CMY	0.1537, 0.0000, 0.5891
CMYK	0.15, 0.00, 0.59, 0.00
HSL	76°, 100%, 71%
HSV	76°, 59%, 100%
XYZ	66.8176, 87.6183, 26.6927
YIQ	226.2390, 24.9060, -54.9180

Conversions

Conversions Part 2

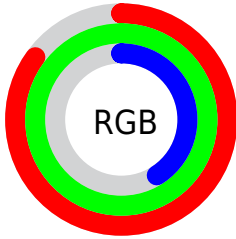
Format	Color
RYB	105, 255, 144
Decimal	14221161
CIELab	95.00, -33.86, 66.21
CIElCh	95, 74.365, 117.089
Yxy	87.6183, 0.3689, 0.4837
Android (android.graphics.Color)	4292411241 (0xFFD8FF69)
YUV	226.2390, -59.7708, -8.9796
Hunter-Lab	93.6047, -36.3899, 48.6159

Details

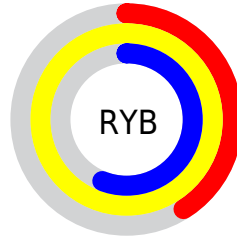
The CIELCh color **95, 74.365, 117.089** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **55, 85.606, 305.471**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 46.881, 106.594**, and **75, 73.902, 116.858** is the 20% darker color. If you saturate the color by 10%, you get **94, 84.009, 116.680**, and if you desaturate by 10%, it is **95, 62.655, 117.358**.

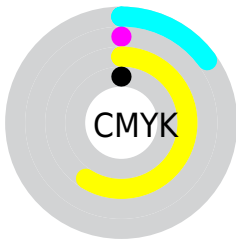
Distribution



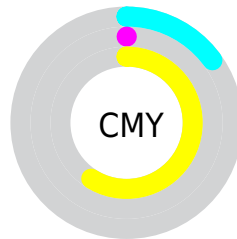
- Red (85%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (56%)



- Cyan (15%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 74.365, 117.089 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, 74.365, 117.089 by changing the saturation by 10% instead.


 95, 74.365,
117.089


 95, 74.365,
117.089

 100, 74.365,
117.089

 85, 74.365,
117.089

 75, 74.365,
117.089

 65, 74.365,
117.089

 55, 74.365,
117.089

 45, 74.365,
117.089

 35, 74.365,
117.089

 25, 74.365,

117.089

■ 15, 74.365,
117.089

■ 5, 74.365, 117.089

■ 95, 74.365,
117.089

■ 95, 74.365,
117.089

■ 94, 84.009,
116.680

■ 95, 62.655,
117.358

■ 94, 92.142,
116.735

■ 96, 50.490,
117.908

■ 93, 97.812,
117.192

■ 97, 37.814,
118.518

■ 93, 100.923,
118.088

■ 98, 24.845,
119.149

■ 93, 101.193,
118.195

■ 99, 11.727,
119.780

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.



95, 74.365, 117.089



55, 85.606, 305.471

Rectangle

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



95, 74.365, 117.089



95, 74.365, 167.089



95, 74.365, 297.089



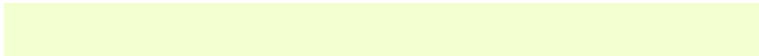
95, 74.365, 347.089

Sweetspot

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



95, 73.983, 116.922



98, 23.653, 119.207



71, 55.031, 44.537



52, 16.421, 119.023



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, 73.983, 116.922



94, 85.884, 116.664



91, 84.261, 134.038



53, 7.481, 119.743



72, 81.400, 117.964



24, 36.633, 116.712

Inverse Universe

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



55, 85.606, 305.471



47, 103.419, 306.687



63, 86.802, 319.640



49, 7.630, 300.932



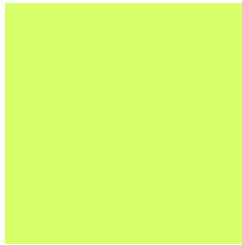
25, 105.289, 307.834



4, 44.679, 306.817

Previews

White Background



This preview shows how the CIELCh color 95, 74.365, 117.089 looks on a white background.

Color Contrast Check

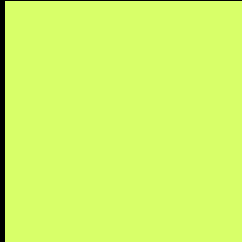
Large Text (above 18pt) WCAG AA × Fail

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 95, 74.365, 117.089 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, 74.365, 117.089

Background



This preview shows how black text looks on a background with the CIELCh color 95, 74.365, 117.089.

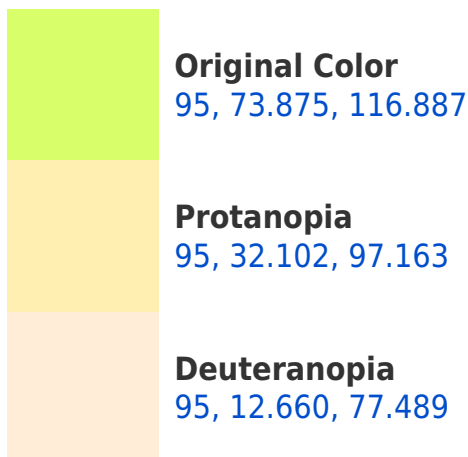


This preview shows how white text looks on a background with the CIELCh color 95, 74.365, 117.089.

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](#).

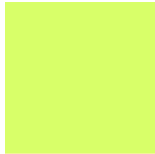
Dichromacy



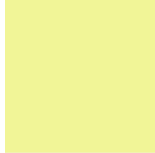


Tritanopia
95, 8.321, 281.361

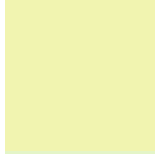
Trichromacy



Original Color
95, 73.875, 116.887



Protanomaly
94, 47.196, 108.389



Deuteranomaly
95, 34.482, 109.392

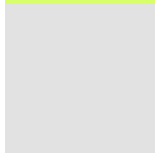


Tritanomaly
94, 23.837, 123.741

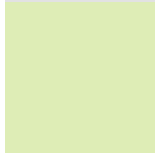
Monochromacy



Original Color
95, 73.875, 116.887



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 28.739, 119.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 74.365, 117.089 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(216, 255, 105)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 105)  
}
```

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(216, 255, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 74.365, 117.089 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(216, 255, 105) }
```

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

```
.border{ border-color:rgb(216, 255, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 74.365, 117.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 105) }
```

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

```
.background{ background-color: rgb(216,  
255, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor