

Converting Colors

CIELCh(100, 83.416, 120.728)

Have a look what the booklet for
CIELCh(100, 83.416, 120.728)
contains.

CIELCh(95, 73.967, 117.180)	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, 73.967, 117.180)

Conversions

Conversions Part 1

Format	Color
Hex	D8FF6A
RGB	216, 255, 106
RGB Percent	85%, 100%, 42%
CMY	0.1538, 0.0000, 0.5853
CMYK	0.15, 0.00, 0.59, 0.00
HSL	76°, 100%, 71%
HSV	76°, 59%, 100%
XYZ	66.8522, 87.6183, 26.9545
YIQ	226.3530, 24.5850, -54.6070

Conversions

Conversions Part 2

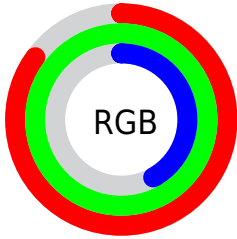
Format	Color
R _Y B	106, 255, 145
Decimal	14221162
CIE Lab	95.00, -33.79, 65.80
CIE LCh	95, 73.967, 117.180
Yxy	87.6183, 0.3685, 0.4829
Android (android.graphics.Color)	4292411242 (0xFFD8FF6A)
YUV	226.3530, -59.3340, -9.0796
Hunter-Lab	93.6047, -36.3239, 48.4500

Details

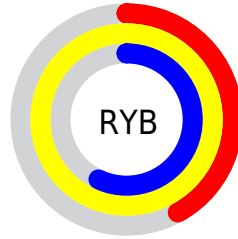
The CIELCh color **95, 73.967, 117.180** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **56, 85.023, 305.478**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 46.400, 106.631**, and **75, 73.299, 117.012** is the 20% darker color. If you saturate the color by 10%, you get **94, 83.688, 116.769**, and if you desaturate by 10%, it is **95, 62.222, 117.457**.

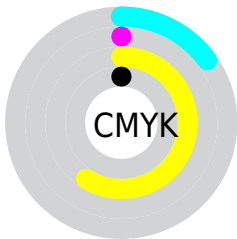
Distribution



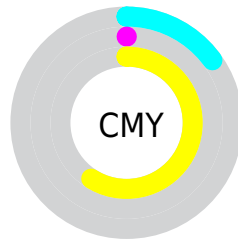
- Red (85%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (57%)



- 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, 73.967, 117.180 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, 73.967, 117.180 by changing the saturation by 10% instead.


 95, 73.967,
117.180


 95, 73.967,
117.180


 100, 73.967,
117.180


 85, 73.967,
117.180

 75, 73.967,
117.180

 65, 73.967,
117.180

 55, 73.967,
117.180

 45, 73.967,
117.180

 35, 73.967,
117.180

 25, 73.967,

117.180

■ 15, 73.967,
117.180

■ 5, 73.967, 117.180

■ 95, 73.967,
117.180

■ 95, 73.967,
117.180

■ 94, 83.688,
116.769

■ 95, 62.222,
117.457

■ 94, 91.911,
116.814

■ 96, 50.028,
118.009

■ 93, 97.691,
117.258

■ 97, 37.334,
118.618

■ 93, 100.882,
118.146

■ 98, 24.352,
119.249

93, 101.249,
118.292

99, 11.226,
119.877

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, 73.967, 117.180



56, 85.023, 305.478

Rectangle

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



95, 73.967, 117.180



95, 73.967, 167.180



95, 73.967, 297.180



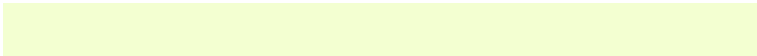
95, 73.967, 347.180

Sweetspot

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



95, 73.596, 117.018



98, 23.659, 119.282



71, 54.597, 44.526



52, 16.426, 119.098



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, 73.596, 117.018



94, 85.029, 116.755



91, 83.783, 134.058



53, 7.482, 119.816



72, 81.444, 118.060



24, 36.649, 116.801

Inverse Universe

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



56, 85.023, 305.478



48, 101.998, 306.635



64, 86.305, 319.631



49, 7.632, 301.001



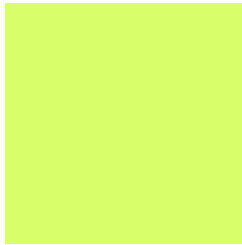
25, 105.259, 307.855



4, 44.683, 306.859

Previews

White Background



This preview shows how the CIELCh color 95, 73.967, 117.180 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, 73.967, 117.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

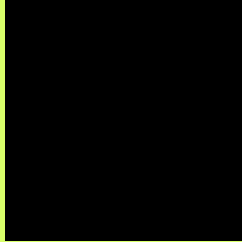
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 73.967, 117.180

Background



This preview shows how black text looks on a background with the CIELCh color 95, 73.967, 117.180.

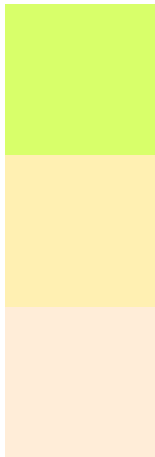


This preview shows how white text looks on a background with the CIELCh color 95, 73.967, 117.180.

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, 73.475, 116.978

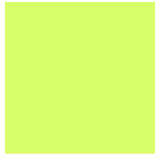
Protanopia
95, 32.102, 97.163

Deuteranopia
95, 12.660, 77.489



Tritanopia
95, 8.321, 281.361

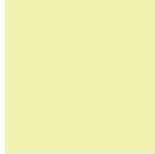
Trichromacy



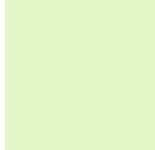
Original Color
95, 73.475, 116.978



Protanomaly
94, 46.715, 108.445

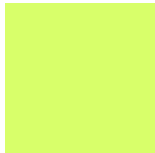


Deuteranomaly
95, 34.482, 109.392

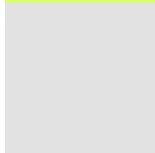


Tritanomaly
94, 23.348, 124.088

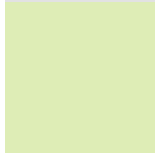
Monochromacy



Original Color
95, 73.475, 116.978



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, 73.967, 117.180 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 73.967, 117.180 is called "border". The border property can be set on classes, ids or directly on the HTML element.

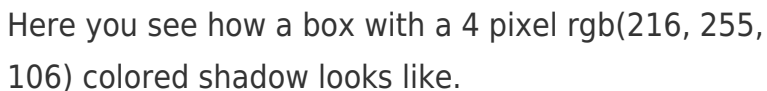
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 106) }
```

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

```
.border{ border-color:rgb(216, 255, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 73.967, 117.180 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, 106) }
```

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

```
.background{ background-color: rgb(216,  
255, 106) }
```

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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