

Converting Colors

CIELCh(100, 78.531, 119.949)

Have a look what the booklet for
CIELCh(100, 78.531, 119.949)
contains.

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Color

CIELCh(95, 69.850, 116.509)

Conversions

Conversions Part 1

Format	Color
Hex	DCFF72
RGB	220, 255, 114
RGB Percent	86%, 100%, 45%
CMY	0.1389, 0.0016, 0.5544
CMYK	0.14, 0.00, 0.55, 0.00
HSL	75°, 99%, 72%
HSV	75°, 55%, 100%
XYZ	68.0365, 87.6183, 29.1311
YIQ	228.4610, 24.4010, -51.2710

Conversions

Conversions Part 2

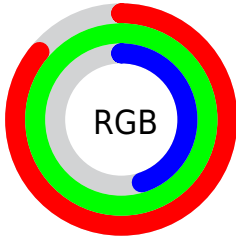
Format	Color
RYB	114, 255, 149
Decimal	14483314
CIELab	95.00, -31.18, 62.51
CIELCh	95, 69.850, 116.509
Yxy	87.6183, 0.3682, 0.4742
Android (android.graphics.Color)	4292673394 (0xFFDCFF72)
YUV	228.4610, -56.4293, -7.4203
Hunter-Lab	93.6047, -34.0655, 47.0714

Details

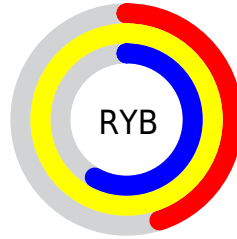
The CIELCh color **95, 69.850, 116.509** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **58, 80.096, 304.759**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 42.533, 106.929**, and **75, 69.951, 116.504** is the 20% darker color. If you saturate the color by 10%, you get **94, 80.351, 116.175**, and if you desaturate by 10%, it is **96, 58.230, 117.008**.

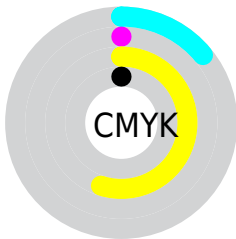
Distribution



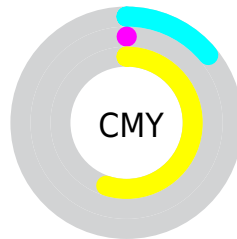
- Red (86%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (58%)



- Cyan (14%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 69.850, 116.509 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, 69.850, 116.509 by changing the saturation by 10% instead.


 95, 69.850,
116.509


 95, 69.850,
116.509


 100, 69.850,
116.509


 85, 69.850,
116.509

 75, 69.850,
116.509

 65, 69.850,
116.509

 55, 69.850,
116.509

 45, 69.850,
116.509

 35, 69.850,
116.509

 25, 69.850,

116.509

■ 15, 69.850,
116.509

■ 5, 69.850, 116.509

■ 95, 69.850,
116.509

■ 95, 69.850,
116.509

■ 94, 80.351,
116.175

■ 96, 58.230,
117.008

■ 94, 89.173,
116.094

■ 96, 45.900,
117.597

■ 93, 95.711,
116.373

■ 97, 33.145,
118.230

■ 93, 99.588,
117.095

■ 98, 20.153,
118.876

■ 93, 100.709,
117.541

■ 99, 7.047, 119.517
100, 0.259,
323.254

Harmonies

Complementary

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



95, 69.850, 116.509



58, 80.096, 304.759

Rectangle

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



95, 69.850, 116.509



95, 69.850, 166.509



95, 69.850, 296.509



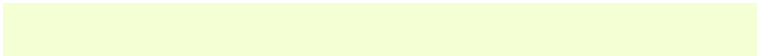
95, 69.850, 346.509

Sweetspot

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



95, 69.851, 116.511



98, 22.305, 118.771



72, 51.411, 42.998



52, 14.911, 118.641



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, 69.851, 116.511



94, 81.061, 116.161



91, 79.272, 133.794



53, 7.468, 119.253



72, 81.116, 117.318



25, 36.532, 116.110

Inverse Universe

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



58, 80.096, 304.759



50, 96.288, 305.919



65, 81.879, 319.034



49, 7.620, 300.470



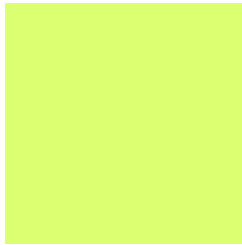
25, 105.489, 307.699



4, 44.654, 306.544

Previews

White Background



This preview shows how the CIE LCh color 95, 69.850, 116.509 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, 69.850, 116.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

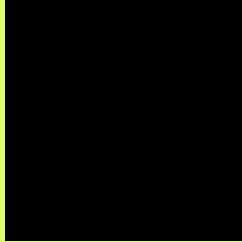
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 69.850, 116.509

Background



This preview shows how black text looks on a background with the CIELCh color 95, 69.850, 116.509.

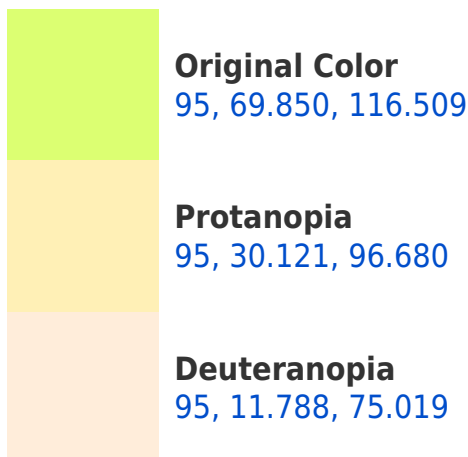



This preview shows how white text looks on a background with the CIELCh color 95, 69.850, 116.509.

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



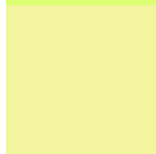


Tritanopia
95, 8.249, 286.057

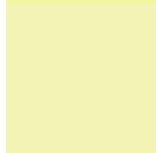
Trichromacy



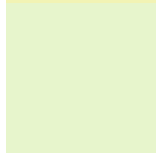
Original Color
95, 69.850, 116.509



Protanomaly
95, 44.286, 108.224



Deuteranomaly
94, 31.991, 108.342

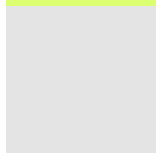


Tritanomaly
95, 21.575, 122.443

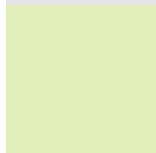
Monochromacy



Original Color
95, 69.850, 116.509



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, 69.850, 116.509 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(220, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 114)  
}
```

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(220, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 69.850, 116.509 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(220, 255, 114) }
```

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

```
.border{ border-color:rgb(220, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 69.850, 116.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 114) }
```

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

```
.background{ background-color: rgb(220,  
255, 114) }
```

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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