

Converting Colors

CIELCh(100, 55.170, 131.438)

Have a look what the booklet for
CIELCh(100, 55.170, 131.438)
contains.

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Color

CIELCh(95, 45.169, 129.015)

Conversions

Conversions Part 1

Format	Color
Hex	D1FEAB
RGB	209, 254, 171
RGB Percent	82%, 100%, 67%
CMY	0.1792, 0.0028, 0.3281
CMYK	0.18, 0.00, 0.33, 0.00
HSL	93°, 98%, 83%
HSV	93°, 33%, 100%
XYZ	69.2954, 87.6183, 51.9532
YIQ	231.0830, -0.1770, -35.3530

Conversions

Conversions Part 2

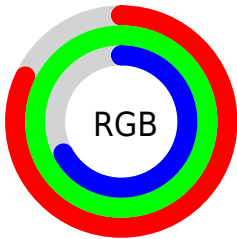
Format	Color
RYB	171, 254, 216
Decimal	13762219
CIELab	95.00, -28.43, 35.10
CIELCh	95, 45.169, 129.015
Yxy	87.6183, 0.3318, 0.4195
Android (android.graphics.Color)	4291952299 (0xFFD1FEAB)
YUV	231.0830, -29.6209, -19.3668
Hunter-Lab	93.6047, -31.6648, 32.6157

Details

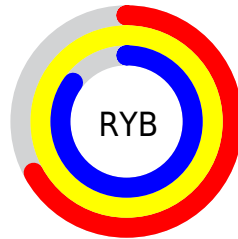
The CIELCh color **95, 45.169, 129.015** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **77, 47.099, 312.072**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **75, 45.128, 129.184** is the 20% darker color. If you saturate the color by 10%, you get **94, 58.619, 128.536**, and if you desaturate by 10%, it is **96, 31.409, 129.508**.

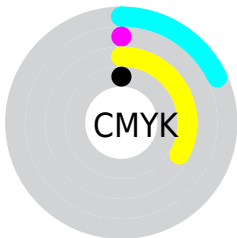
Distribution



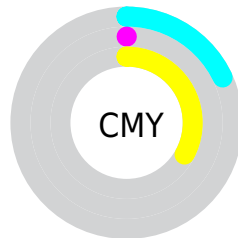
- Red (82%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (85%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 45.169, 129.015 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, 45.169, 129.015 by changing the saturation by 10% instead.


 95, 45.169,
129.015


 95, 45.169,
129.015


 100, 45.169,
129.015


 85, 45.169,
129.015

 75, 45.169,
129.015

 65, 45.169,
129.015

 55, 45.169,
129.015

 45, 45.169,
129.015

 35, 45.169,
129.015

 25, 45.169,

129.015

■ 15, 45.169,
129.015

■ 5, 45.169, 129.015

■ 95, 45.169,
129.015

■ 95, 45.169,
129.015

■ 94, 58.619,
128.536

■ 96, 31.409,
129.508

■ 93, 71.487,
128.111

■ 98, 17.517,
129.987

■ 92, 83.395,
127.816

■ 99, 3.623, 130.466

■ 91, 93.827,
127.754

100, 0.449,
323.767

■ 90, 102.171,
128.060

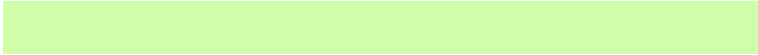
■ 90, 107.936,
128.846

■ 89, 110.690,
129.688

Harmonies

Complementary

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



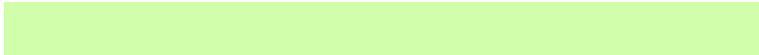
95, 45.169, 129.015



77, 47.099, 312.072

Rectangle

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



95, 45.169, 129.015



95, 45.169, 179.015



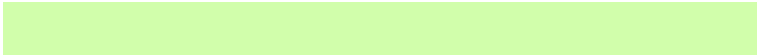
95, 45.169, 309.015



95, 45.169, 359.015

Sweetspot

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



95, 45.171, 129.016



98, 13.899, 130.109



88, 27.843, 74.707



52, 9.486, 130.043



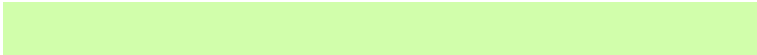
0, 0.000, 0.000



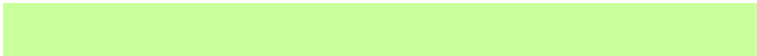
53, 0.007, 296.813

Same Dimension

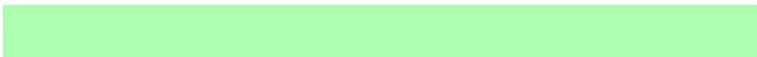
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 45.171, 129.016



94, 53.918, 128.706



93, 50.763, 142.957



52, 7.901, 130.132



69, 89.086, 129.413



23, 39.591, 127.912

Inverse Universe

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



77, 47.099, 312.072



73, 56.727, 312.398



80, 50.739, 327.159



49, 8.001, 310.936



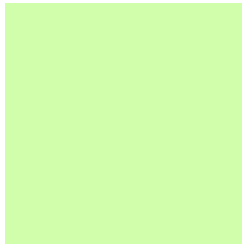
31, 99.619, 312.875



6, 44.836, 314.050

Previews

White Background



This preview shows how the CIELCh color 95, 45.169, 129.015 looks on a white background.

Color Contrast Check

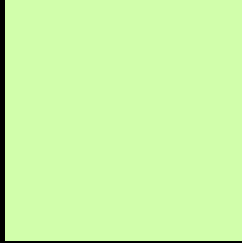
Large Text (above 18pt) WCAG AA × Fail

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, 45.169, 129.015 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

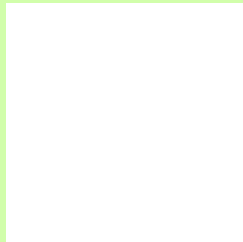
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 45.169, 129.015

Background



This preview shows how black text looks on a background with the CIELCh color 95, 45.169, 129.015.

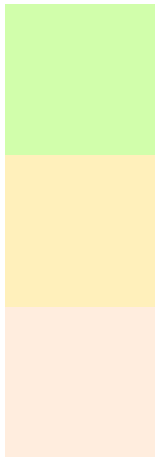


This preview shows how white text looks on a background with the CIELCh color 95, 45.169, 129.015.

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, 45.200, 129.009

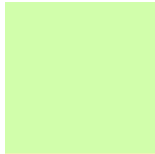
Protanopia
95, 27.642, 95.945

Deuteranopia
95, 10.131, 68.792

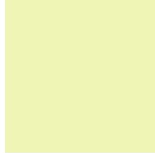


Tritanopia
95, 7.933, 256.823

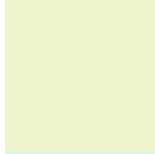
Trichromacy



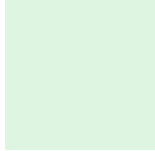
Original Color
95, 45.200, 129.009



Protanomaly
95, 32.571, 112.360

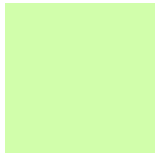


Deuteranomaly
95, 19.996, 113.959

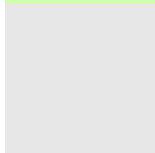


Tritanomaly
95, 13.823, 147.456

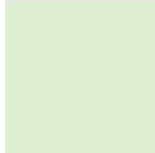
Monochromacy



Original Color
95, 45.200, 129.009



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 16.527, 129.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 45.169, 129.015 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(209, 254, 171)` looks like.

```
.text, #text, p{  
    color:rgb(209, 254, 171)  
}
```

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(209, 254, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 254, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 45.169, 129.015 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(209, 254, 171) }
```

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

```
.border{ border-color:rgb(209, 254, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 254, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 254, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 254, 171);  
box-shadow:4px 4px 4px 4px rgb(209, 254,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 45.169, 129.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 254, 171) }
```

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

```
.background{ background-color: rgb(209,  
254, 171) }
```

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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