

Converting Colors

CIELCh(95, 47.934, 117.546)

Have a look what the booklet for
CIELCh(95, 47.934, 117.546)
contains.

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Color

CIELCh(95, 48.001, 117.764)

Conversions

Conversions Part 1

Format	Color
Hex	E3FB9D
RGB	227, 251, 157
RGB Percent	89%, 98%, 62%
CMY	0.1105, 0.0163, 0.3849
CMYK	0.10, 0.00, 0.37, 0.02
HSL	75°, 92%, 80%
HSV	75°, 37%, 98%
XYZ	72.1397, 87.6183, 44.9359
YIQ	233.1080, 15.8700, -34.3220

Conversions

Conversions Part 2

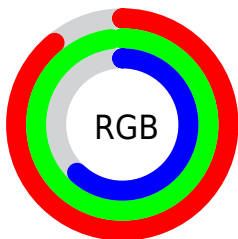
Format	Color
RYB	157, 251, 181
Decimal	14941085
CIELab	95.00, -22.36, 42.47
CIElCh	95, 48.001, 117.764
Yxy	87.6183, 0.3524, 0.4280
Android (android.graphics.Color)	4293131165 (0xFFE3FB9D)
YUV	233.1080, -37.5212, -5.3567
Hunter-Lab	93.6047, -26.2410, 37.0605

Details

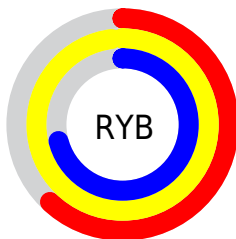
The CIELCh color **95, 48.001, 117.764** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 52.174, 303.074**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 21.222, 108.570**, and **75, 47.875, 117.775** is the 20% darker color. If you saturate the color by 10%, you get **94, 60.084, 117.199**, and if you desaturate by 10%, it is **96, 35.454, 118.386**.

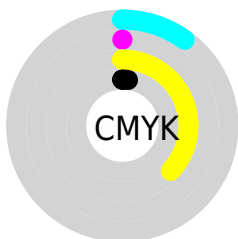
Distribution



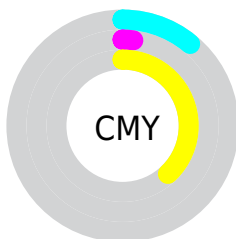
- Red (89%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 48.001, 117.764 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, 48.001, 117.764 by changing the saturation by 10% instead.


 95, 48.001,
117.764

 95, 48.001,
117.764


 100, 48.001,
117.764

 85, 48.001,
117.764

 75, 48.001,
117.764

 65, 48.001,
117.764

 55, 48.001,
117.764

 45, 48.001,
117.764

 35, 48.001,
117.764

 25, 48.001,

117.764

■ 15, 48.001,
117.764

■ 5, 48.001, 117.764

■ 95, 48.001,
117.764

■ 95, 48.001,
117.764

■ 94, 60.084,
117.199

■ 96, 35.454,
118.386

■ 94, 71.395,
116.737

■ 97, 22.640,
119.024

■ 93, 81.499,
116.454

■ 98, 9.693, 119.658

■ 92, 89.825,
116.449

■ 99, 2.213, 305.127

■ 99, 2.596, 324.413

■ 92, 95.793,
116.828

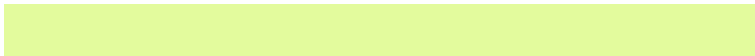
■ 92, 99.152,
117.655

■ 91, 99.773,
117.900

Harmonies

Complementary

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



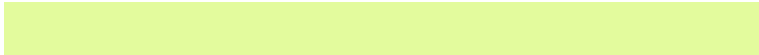
95, 48.001, 117.764



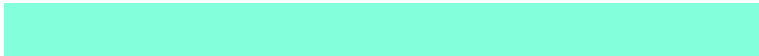
70, 52.174, 303.074

Rectangle

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



95, 48.001, 117.764



95, 48.001, 167.764



95, 48.001, 297.764



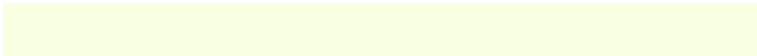
95, 48.001, 347.764

Sweetspot

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



95, 48.003, 117.766



99, 14.461, 119.435



79, 31.718, 44.286



53, 9.715, 119.349



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

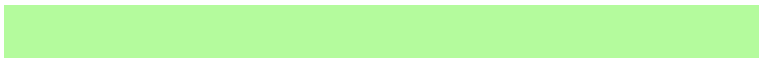
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 48.003, 117.766



96, 57.921, 117.330



92, 54.387, 135.328



52, 7.352, 119.531



71, 80.461, 117.671



23, 35.390, 116.536

Inverse Universe

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



70, 52.174, 303.074



65, 64.285, 303.839



74, 55.602, 318.919



48, 7.500, 300.729



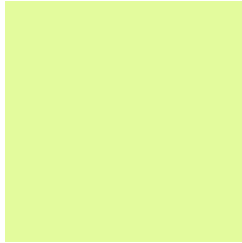
25, 104.318, 307.782



4, 42.712, 306.169

Previews

White Background



This preview shows how the CIE LCh color 95, 48.001, 117.764 looks on a white background.

Color Contrast Check

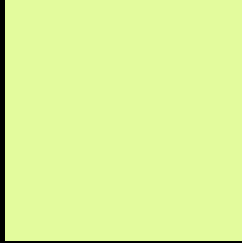
Large Text (above 18pt) WCAG AA × Fail

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, 48.001, 117.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

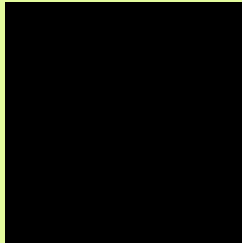
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

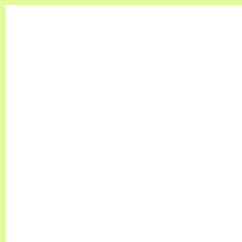
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 48.001, 117.764

Background



This preview shows how black text looks on a background with the CIELCh color 95, 48.001, 117.764.

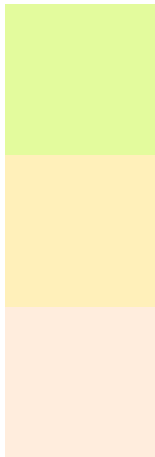


This preview shows how white text looks on a background with the CIELCh color 95, 48.001, 117.764.

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, 48.001, 117.764

Protanopia
95, 28.138, 96.105

Deuteranopia
95, 10.532, 70.536

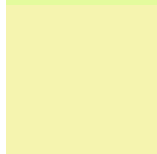


Tritanopia
95, 8.243, 293.212

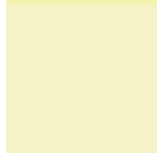
Trichromacy



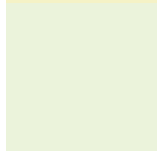
Original Color
95, 48.001, 117.764



Protanomaly
95, 34.955, 106.787



Deuteranomaly
95, 22.462, 105.517

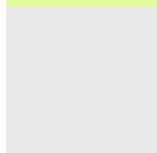


Tritanomaly
95, 12.637, 122.517

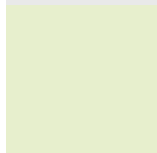
Monochromacy



Original Color
95, 48.001, 117.764



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 17.690, 118.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 48.001, 117.764 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(227, 251, 157)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 157)  
}
```

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(227, 251, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 48.001, 117.764 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(227, 251, 157) }
```

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

```
.border{ border-color:rgb(227, 251, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 251, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 251, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 251, 157); box-shadow:4px 4px 4px 4px rgb(227, 251, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 48.001, 117.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 157) }
```

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

```
.background{ background-color: rgb(227,  
251, 157) }
```

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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