

Converting Colors

CIELCh(99, 50.000, 81.300)

Have a look what the booklet for
CIELCh(99, 50.000, 81.300) contains.

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Color

CIELCh(95, 45.012, 101.044)

Conversions

Conversions Part 1

Format	Color
Hex	FEF39A
RGB	254, 243, 154
RGB Percent	100%, 95%, 60%
CMY	0.0035, 0.0465, 0.3953
CMYK	0.00, 0.04, 0.39, 0.00
HSL	53°, 98%, 80%
HSV	53°, 39%, 100%
XYZ	78.8567, 87.6183, 43.4112
YIQ	236.1430, 35.1250, -25.3470

Conversions

Conversions Part 2

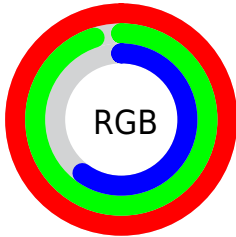
Format	Color
R_{YB}	166, 254, 154
Decimal	16708506
CIE _{Lab}	95.00, -8.62, 44.18
CIE _{LCh}	95, 45.012, 101.044
Y _{xy}	87.6183, 0.3757, 0.4175
Android (android.graphics.Color)	4294898586 (0xFFFEF39A)
YUV	236.1430, -40.4965, 15.6606
Hunter-Lab	93.6047, -13.4319, 38.0262

Details

The CIELCh color **95, 45.012, 101.044** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 48.675, 291.048**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **75, 45.191, 100.946** is the 20% darker color. If you saturate the color by 10%, you get **94, 55.933, 99.954**, and if you desaturate by 10%, it is **96, 33.727, 102.152**.

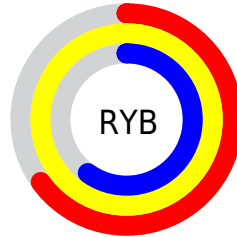
Distribution



Red (100%)

Green (95%)

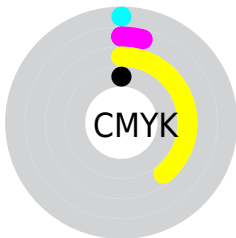
Blue (60%)



Red (65%)

Yellow (100%)

Blue (60%)

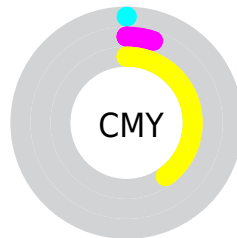


Cyan (0%)

Magenta (4%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 45.012, 101.044 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, 45.012, 101.044 by changing the saturation by 10% instead.


 95, 45.012,
101.044


 95, 45.012,
101.044


 100, 45.012,
101.044


 85, 45.012,
101.044

 75, 45.012,
101.044

 65, 45.012,
101.044

 55, 45.012,
101.044

 45, 45.012,
101.044

 35, 45.012,
101.044

 25, 45.012,

101.044

■ 15, 45.012,
101.044

■ 5, 45.012, 101.044

■ 95, 45.012,
101.044

■ 95, 45.012,
101.044

■ 94, 55.933, 99.954

■ 96, 33.727,
102.152

■ 93, 66.177, 98.888

■ 97, 22.263,
103.251

■ 92, 75.270, 97.868

■ 91, 82.552, 96.908

■ 98, 10.733,
104.329

■ 90, 87.307, 96.009

100, 0.370,
280.144

■ 90, 89.310, 95.150

■ 90, 89.405, 95.093

100, 0.308,
201.541

Harmonies

Complementary

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



95, 45.012, 101.044



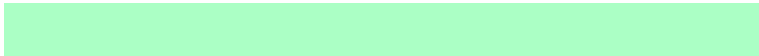
70, 48.675, 291.048

Rectangle

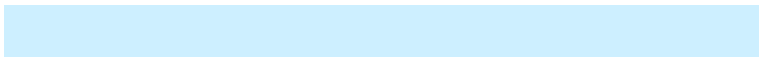
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 45.012, 101.044



95, 45.012, 151.044



95, 45.012, 281.044



95, 45.012, 331.044

Sweetspot

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



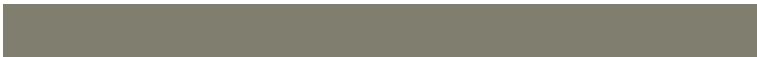
95, 45.013, 101.048



98, 13.863, 104.043



74, 39.894, 14.495



52, 9.196, 103.903



0, 0.000, 0.000



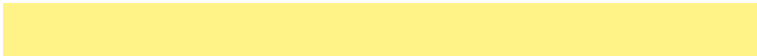
53, 0.007, 296.813

Same Dimension

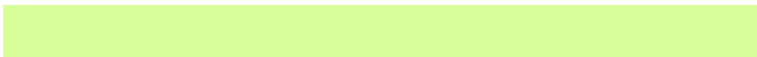
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 45.013, 101.048



94, 53.595, 100.205



95, 52.080, 122.847



53, 6.566, 104.309



69, 72.287, 95.237



24, 32.601, 96.416

Inverse Universe

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



70, 48.675, 291.048



65, 59.240, 292.634



71, 56.038, 307.319



49, 6.680, 286.411



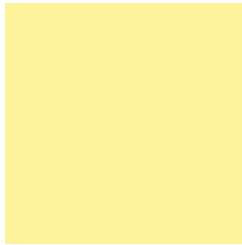
25, 102.234, 304.815



5, 40.638, 299.759

Previews

White Background



This preview shows how the CIE LCh color 95, 45.012, 101.044 looks on a white background.

Color Contrast Check

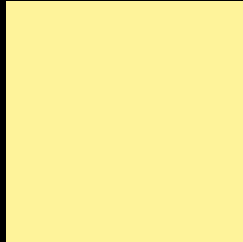
Large Text (above 18pt) WCAG AA × Fail

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, 45.012, 101.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

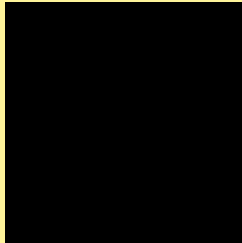
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 45.012, 101.044

Background



This preview shows how black text looks on a background with the CIELCh color 95, 45.012, 101.044.

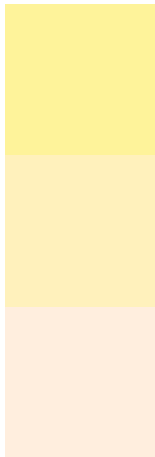


This preview shows how white text looks on a background with the CIELCh color 95, 45.012, 101.044.

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, 45.041, 101.028

Protanopia
95, 27.540, 96.746

Deuteranopia
95, 10.292, 72.147

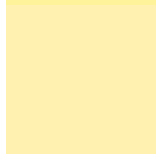


Tritanopia
95, 9.093, 341.628

Trichromacy



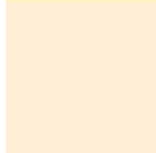
Original Color
95, 45.041, 101.028



Protanomaly
95, 33.897, 98.908



Deuteranomaly
95, 22.690, 93.854

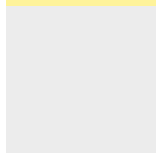


Tritanomaly
95, 14.279, 82.829

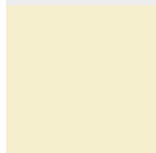
Monochromacy



Original Color
95, 45.041, 101.028



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 16.948, 103.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 45.012, 101.044 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(254, 243, 154)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 154)  
}
```

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(254, 243, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 45.012, 101.044 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(254, 243, 154) }
```

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

```
.border{ border-color:rgb(254, 243, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 154);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 45.012, 101.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 154) }
```

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

```
.background{ background-color: rgb(254,  
243, 154) }
```

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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