

Converting Colors

CIELCh(100, 43.319, 69.880)

Have a look what the booklet for
CIELCh(100, 43.319, 69.880)
contains.

CIELCh(95, 34.309, 99.645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(95, 34.309, 99.645)

Conversions

Conversions Part 1

Format	Color
Hex	FEF2AF
RGB	254, 242, 175
RGB Percent	100%, 95%, 69%
CMY	0.0043, 0.0512, 0.3138
CMYK	0.00, 0.05, 0.31, 0.00
HSL	51°, 97%, 84%
HSV	51°, 31%, 100%
XYZ	80.3129, 87.6183, 53.2315
YIQ	237.9500, 28.6590, -18.2930

Conversions

Conversions Part 2

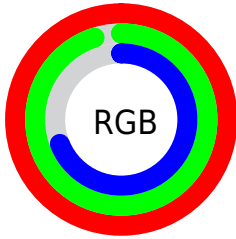
Format	Color
R _Y B	189, 254, 175
Decimal	16708271
CIE Lab	95.00, -5.75, 33.82
CIE LCh	95, 34.309, 99.645
Yxy	87.6183, 0.3631, 0.3962
Android (android.graphics.Color)	4294898351 (0xFFFEF2AF)
YUV	237.9500, -31.0343, 14.0759
Hunter-Lab	93.6047, -10.6550, 31.8060

Details

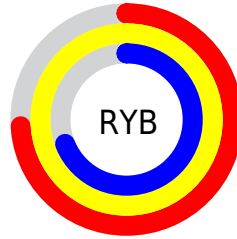
The CIELCh color **95, 34.309, 99.645** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 36.033, 287.499**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **75, 34.239, 99.886** is the 20% darker color. If you saturate the color by 10%, you get **94, 45.194, 98.483**, and if you desaturate by 10%, it is **96, 23.281, 100.802**.

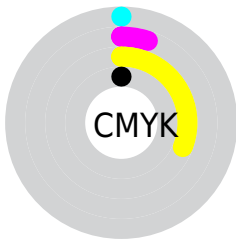
Distribution



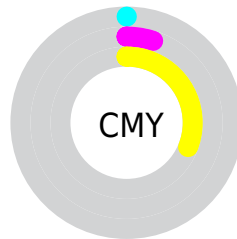
- Red (100%)
- Green (95%)
- Blue (69%)



- Red (74%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 34.309, 99.645 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, 34.309, 99.645 by changing the saturation by 10% instead.

 95, 34.309, 99.645

 95, 34.309, 99.645

 100, 34.309,
99.645

 85, 34.309, 99.645

 75, 34.309, 99.645

 65, 34.309, 99.645

 55, 34.309, 99.645

 45, 34.309, 99.645

 35, 34.309, 99.645

 25, 34.309, 99.645

 15, 34.309, 99.645

 5, 34.309, 99.645

95, 34.309, 99.645

95, 34.309, 99.645

94, 45.194, 98.483

96, 23.281,
100.802

92, 55.742, 97.316

98, 12.216,
101.929

91, 65.638, 96.159

90, 74.383, 95.018

99, 1.179, 102.911

89, 81.279, 93.892

100, 0.377,
201.139

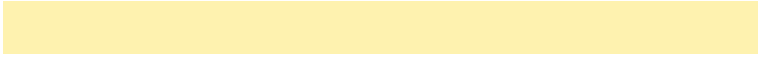
88, 85.569, 92.757

87, 87.131, 91.707

Harmonies

Complementary

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



95, 34.309, 99.645



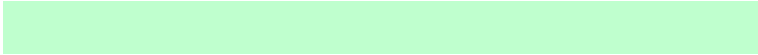
77, 36.033, 287.499

Rectangle

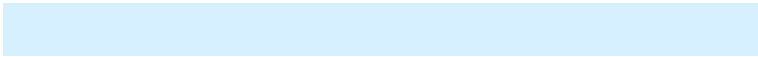
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 34.309, 99.645



95, 34.309, 149.645



95, 34.309, 279.645



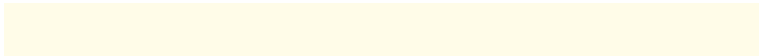
95, 34.309, 329.645

Sweetspot

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



95, 34.311, 99.649



99, 9.949, 102.158



79, 30.994, 9.325



52, 6.917, 101.998



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

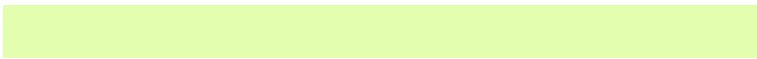
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 34.311, 99.649



95, 40.920, 98.959



96, 40.970, 121.314



53, 6.286, 102.103



67, 70.508, 91.920



23, 31.571, 93.520

Inverse Universe

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



77, 36.033, 287.499



73, 43.502, 288.596



76, 43.527, 305.068



49, 6.380, 284.282



26, 99.002, 303.892



5, 39.301, 298.854

Previews

White Background



This preview shows how the CIE LCh color 95, 34.309, 99.645 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, 34.309, 99.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

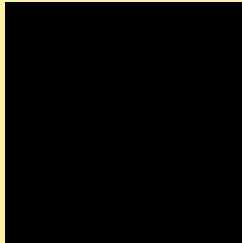
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 34.309, 99.645

Background



This preview shows how black text looks on a background with the CIELCh color 95, 34.309, 99.645.

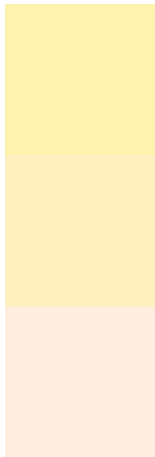


This preview shows how white text looks on a background with the CIELCh color 95, 34.309, 99.645.

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, 34.334, 99.631

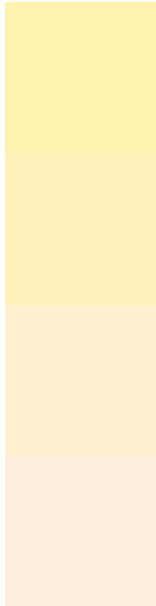
Protanopia
95, 25.659, 95.225

Deuteranopia
95, 9.483, 68.549



Tritanopia
95, 9.417, 339.180

Trichromacy



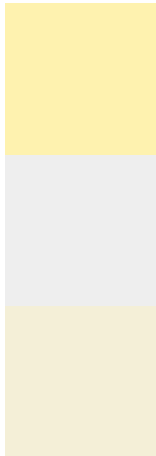
Original Color
95, 34.334, 99.631

Protanomaly
95, 29.029, 97.171

Deuteranomaly
95, 17.920, 89.208

Tritanomaly
95, 10.710, 73.734

Monochromacy



Original Color
95, 34.334, 99.631

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 12.418, 100.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 34.309, 99.645 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, 242, 175)` looks like.

```
.text, #text, p{  
    color:rgb(254, 242, 175)  
}
```

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, 242, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 242, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 34.309, 99.645 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, 242, 175) }
```

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

```
.border{ border-color:rgb(254, 242, 175) }
```

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

Here you see how a box with a 4 pixel rgb(254, 242, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 242, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 242, 175);  
box-shadow:4px 4px 4px 4px rgb(254, 242,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 34.309, 99.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 242, 175) }
```

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

```
.background{ background-color: rgb(254,  
242, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor