

# Converting Colors

CIELCh(100, 45.343, 67.382)

Have a look what the booklet for  
CIELCh(100, 45.343, 67.382)  
contains.

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# Color

**CIELCh(95, 34.481, 98.321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1AE
RGB	255, 241, 174
RGB Percent	100%, 95%, 68%
CMY	0.0000, 0.0530, 0.3159
CMYK	0.00, 0.05, 0.32, 0.00
HSL	50°, 100%, 84%
HSV	50°, 32%, 100%
XYZ	80.7000, 87.6183, 52.9341
YIQ	237.5480, 29.8510, -17.8690

# Conversions

## Conversions Part 2

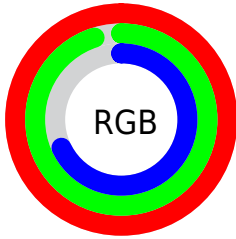
Format	Color
R <sub>Y</sub> B	191, 255, 174
Decimal	16773550
CIE Lab	95.00, -4.99, 34.12
CIE LCh	95, 34.481, 98.321
Yxy	87.6183, 0.3647, 0.3960
Android (android.graphics.Color)	4294963630 (0xFFFFF1AE)
YUV	237.5480, -31.3292, 15.3054
Hunter-Lab	93.6047, -9.9168, 31.9943

# Details

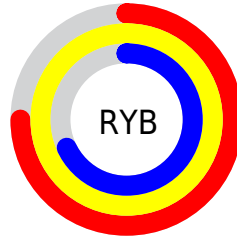
The CIELCh color **95, 34.481, 98.321** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 36.076, 286.750**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **75, 34.390, 98.474** is the 20% darker color. If you saturate the color by 10%, you get **93, 45.232, 97.451**, and if you desaturate by 10%, it is **96, 23.539, 99.816**.

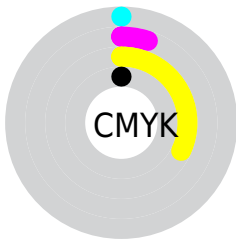
# Distribution



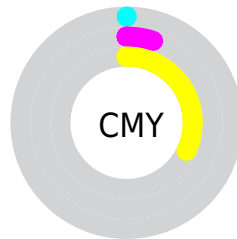
- Red (100%)
- Green (95%)
- Blue (68%)



- Red (75%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (5%)
- Yellow (32%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 34.481, 98.321 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, 34.481, 98.321 by changing the saturation by 10% instead.



 95, 34.481, 98.321

 95, 34.481, 98.321

 100, 34.481,  
98.321

 85, 34.481, 98.321

 75, 34.481, 98.321

 65, 34.481, 98.321

 55, 34.481, 98.321

 45, 34.481, 98.321

 35, 34.481, 98.321

 25, 34.481, 98.321

 15, 34.481, 98.321

 5, 34.481, 98.321

95, 34.481, 98.321

95, 34.481, 98.321

93, 45.232, 97.451

96, 23.539, 99.816

92, 55.694, 96.254

98, 12.605,  
100.962

91, 65.519, 95.059

100, 1.711,  
101.997

90, 74.200, 93.868

100, 0.012,  
296.813

88, 81.021, 92.672

87, 85.207, 91.436

86, 86.646, 90.334

# Harmonies

# Complementary

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



95, 34.481, 98.321



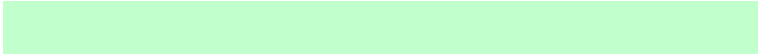
77, 36.076, 286.750

# Rectangle

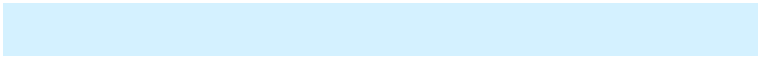
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 34.481, 98.321



95, 34.481, 148.321



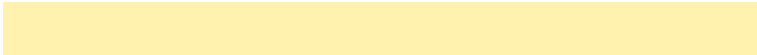
95, 34.481, 278.321



95, 34.481, 328.321

# Sweetspot

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



95, 34.451, 98.641



99, 9.781, 101.251



79, 31.721, 8.137



52, 6.801, 101.089



0, 0.000, 0.000

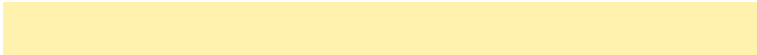


53, 0.007, 296.813



# Same Dimension

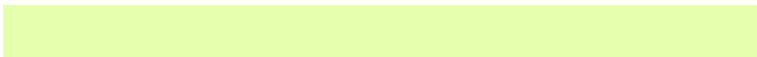
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 34.451, 98.641



94, 41.390, 97.879



97, 41.636, 120.620



52, 6.180, 101.195



66, 69.894, 90.579



22, 31.191, 92.338





# Inverse Universe

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



77, 36.076, 286.750



73, 43.888, 287.964



76, 44.351, 304.553



49, 6.266, 283.405



26, 97.569, 303.466



5, 38.779, 298.476



# Previews

## White Background



This preview shows how the CIE LCh color 95, 34.481, 98.321 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, 34.481, 98.321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

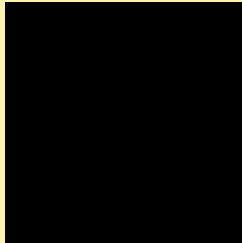
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 95, 34.481, 98.321

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 34.481, 98.321.

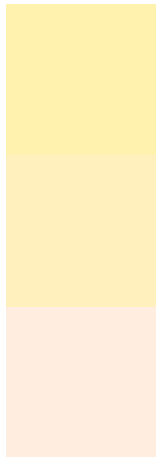


This preview shows how white text looks on a background with the CIELCh color 95, 34.481, 98.321.

# 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, 34.481, 98.321

### Protanopia

95, 26.155, 95.418

### Deuteranopia

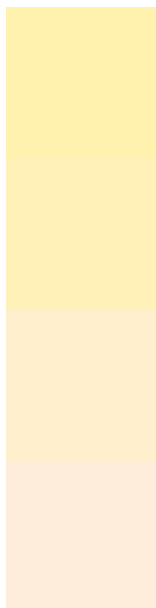
95, 9.883, 70.424



**Tritanopia**  
95, 9.093, 341.628



# Trichromacy



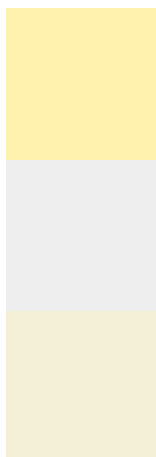
**Original Color**  
95, 34.481, 98.321

**Protanomaly**  
95, 29.526, 97.300

**Deuteranomaly**  
95, 18.405, 89.677

**Tritanomaly**  
95, 10.942, 72.148

# Monochromacy



**Original Color**  
95, 34.481, 98.321

**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, 34.481, 98.321 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(255, 241, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 174)  
}
```

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(255, 241, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 34.481, 98.321 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(255, 241, 174) }
```

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

```
.border{ border-color:rgb(255, 241, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 34.481, 98.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 174) }
```

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

```
.background{ background-color: rgb(255,  
241, 174) }
```

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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