

# Converting Colors

CIELCh(95, 9.911, 316.758)

Have a look what the booklet for  
CIELCh(95, 9.911, 316.758) contains.

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# Color

**CIELCh(95, 9.735, 316.178)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9EDFE
RGB	249, 237, 254
RGB Percent	98%, 93%, 100%
CMY	0.0247, 0.0717, 0.0051
CMYK	0.02, 0.07, 0.00, 0.01
HSL	282°, 87%, 96%
HSV	282°, 7%, 99%
XYZ	87.0004, 87.6183, 105.8413
YIQ	242.5260, 1.6950, 7.8310

# Conversions

## Conversions Part 2

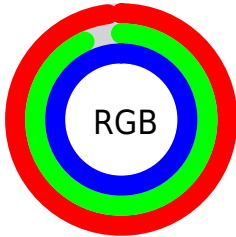
Format	Color
R <sub>Y</sub> B	249, 237, 254
Decimal	16379390
CIE Lab	95.00, 7.02, -6.74
CIE LCh	95, 9.735, 316.178
Yxy	87.6183, 0.3102, 0.3124
Android (android.graphics.Color)	4294569470 (0xFFF9EDFE)
YUV	242.5260, 5.6567, 5.6777
Hunter-Lab	93.6047, 2.0977, -1.5175

# Details

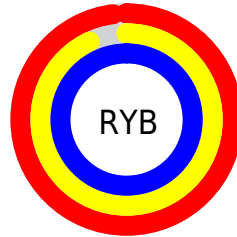
The CIELCh color **95, 9.735, 316.178** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 9.667, 135.653**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 9.738, 317.618** is the 20% darker color. If you saturate the color by 10%, you get **88, 24.508, 316.623**, and if you desaturate by 10%, it is **100, 0.647, 110.010**.

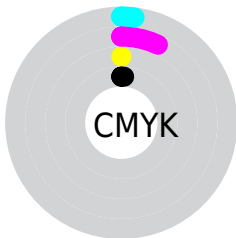
# Distribution



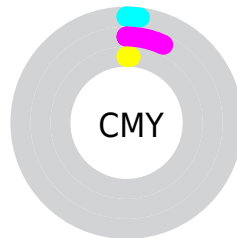
- Red (98%)
- Green (93%)
- Blue (100%)



- Red (98%)
- Yellow (93%)
- Blue (100%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (2%)
- Magenta (7%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 9.735, 316.178 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, 9.735, 316.178 by changing the saturation by 10% instead.



 95, 9.735, 316.178

 95, 9.735, 316.178

 100, 9.735,  
316.178

 85, 9.735, 316.178

 75, 9.735, 316.178

 65, 9.735, 316.178

 55, 9.735, 316.178

 45, 9.735, 316.178

 35, 9.735, 316.178

 25, 9.735, 316.178

 15, 9.735, 316.178

 5, 9.735, 316.178

95, 9.735, 316.178

95, 9.735, 316.178

88, 24.508,  
316.623

100, 0.647,  
110.010

82, 39.495,  
317.068

75, 54.504,  
317.502

69, 69.233,  
317.897

63, 83.229,  
318.216

58, 95.862,  
318.408

54, 106.366,  
318.409

51, 113.988,  
318.153

■ 49,118.311,  
317.591

# Harmonies

# Complementary

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



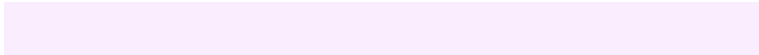
95, 9.735, 316.178



98, 9.667, 135.653

# Rectangle

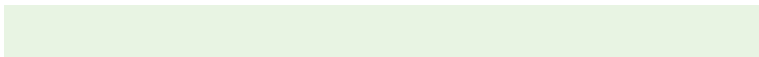
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



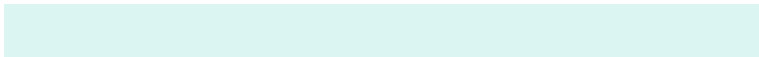
95, 9.735, 316.178



95, 9.735, 6.178



95, 9.735, 136.178



95, 9.735, 186.178

# Sweetspot

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



95, 9.732, 316.176



99, 2.909, 315.926



95, 6.326, 274.588



53, 1.654, 315.918



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, 9.732, 316.176



95, 11.688, 316.235



95, 9.230, 330.907



50, 8.319, 316.303



36, 96.360, 317.525



8, 44.052, 318.676



# Inverse Universe

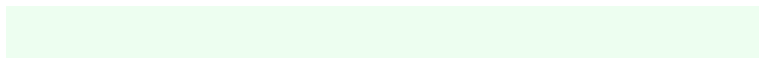
The Inverse Universe completely reimagines the original color for something new.



95, 6.590, 356.910



95, 7.925, 357.054



98, 9.200, 150.137



50, 5.650, 357.218



40, 70.885, 21.785

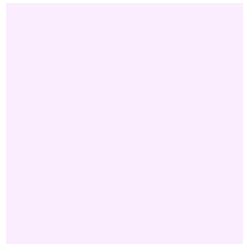


10, 31.485, 13.152



# Previews

## White Background



This preview shows how the CIE LCh color 95, 9.735, 316.178 looks on a white background.

## Color Contrast Check

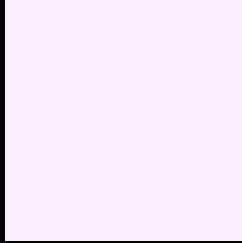
Large Text (above 18pt) WCAG AA × Fail

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, 9.735, 316.178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

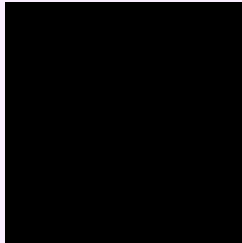
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

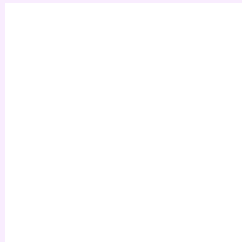
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 9.735, 316.178

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 9.735, 316.178.

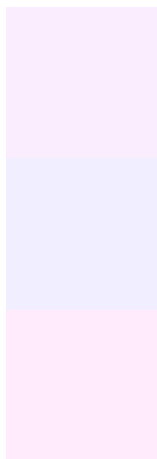


This preview shows how white text looks on a background with the CIELCh color 95, 9.735, 316.178.

# 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, 9.735, 316.178

### Protanopia

95, 8.269, 295.594

### Deuteranopia

95, 11.254, 329.283





**Tritanopia**  
95, 10.199, 314.943

# Trichromacy



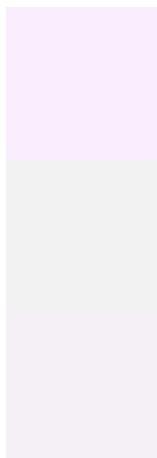
**Original Color**  
95, 9.735, 316.178

**Protanomaly**  
95, 9.018, 304.126

**Deuteranomaly**  
95, 10.618, 324.784

**Tritanomaly**  
95, 10.199, 314.943

# Monochromacy



**Original Color**  
95, 9.735, 316.178

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 3.410, 314.712

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 9.735, 316.178 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(249, 237, 254)` looks like.

```
.text, #text, p{  
    color:rgb(249, 237, 254)  
}
```

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(249, 237, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 237, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 9.735, 316.178 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(249, 237, 254) }
```

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

```
.border{ border-color:rgb(249, 237, 254) }
```

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

Here you see how a box with a 4 pixel rgb(249, 237, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 237, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 237, 254);  
box-shadow:4px 4px 4px 4px rgb(249, 237,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 9.735, 316.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 237, 254) }
```

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

```
.background{ background-color: rgb(249,  
237, 254) }
```

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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