

# Converting Colors

CIELCh(98, 32.919, 296.803)

Have a look what the booklet for  
CIELCh(98, 32.919, 296.803)  
contains.

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# Color

**CIELCh(96, 7.257, 313.181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F1FE
RGB	249, 241, 254
RGB Percent	98%, 95%, 100%
CMY	0.0245, 0.0558, 0.0049
CMYK	0.02, 0.05, 0.00, 0.00
HSL	277°, 84%, 97%
HSV	277°, 5%, 100%
XYZ	88.2170, 90.0078, 106.2830
YIQ	244.8740, 0.5950, 5.7390

# Conversions

## Conversions Part 2

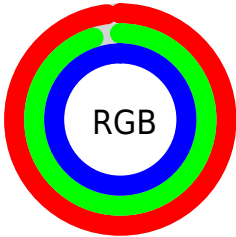
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 241, 254
Decimal	16380414
CIE Lab	96.00, 4.97, -5.29
CIE LCh	96, 7.257, 313.181
Yxy	90.0078, 0.3101, 0.3164
Android (android.graphics.Color)	4294570494 (0xFFFF9F1FE)
YUV	244.8740, 4.4991, 3.6185
Hunter-Lab	94.8724, -0.0487, -0.0102

# Details

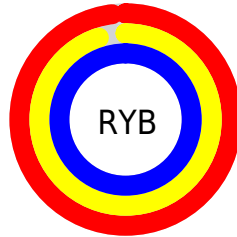
The CIELCh color **96, 7.257, 313.181** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 7.198, 132.803**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 7.130, 314.895** is the 20% darker color. If you saturate the color by 10%, you get **89, 21.686, 313.629**, and if you desaturate by 10%, it is **100, 0.620, 110.007**.

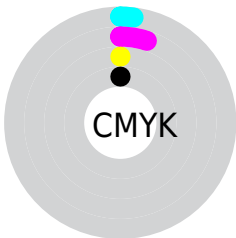
# Distribution



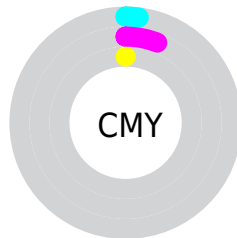
- Red (98%)
- Green (95%)
- Blue (100%)



- Red (98%)
- Yellow (95%)
- Blue (100%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.257, 313.181 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 96, 7.257, 313.181 by changing the saturation by 10% instead.



96, 7.257, 313.181

96, 7.257, 313.181

100, 7.257,  
313.181

86, 7.257, 313.181

76, 7.257, 313.181

66, 7.257, 313.181

56, 7.257, 313.181

46, 7.257, 313.181

36, 7.257, 313.181

26, 7.257, 313.181

16, 7.257, 313.181

6, 7.257, 313.181

96, 7.257, 313.181

96, 7.257, 313.181

89, 21.686,  
313.629

100, 0.620,  
110.007

82, 36.417,  
314.089

75, 51.312,  
314.553

69, 66.135,  
314.996

63, 80.507,  
315.381

57, 93.855,  
315.652

52, 105.404,  
315.734

48, 114.274,  
315.539

■ 46,119.782,  
314.989

# Harmonies

# Complementary

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



96, 7.257, 313.181



99, 7.198, 132.803

# Rectangle

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



96, 7.257, 313.181



96, 7.257, 3.181



96, 7.257, 133.181



96, 7.257, 183.181

# Sweetspot

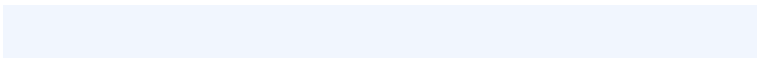
The Sweet Spot groups the original color and five complimentary colors.



96, 7.254, 313.177



99, 2.842, 313.007



97, 4.348, 266.164



53, 1.616, 313.000



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



96, 7.254, 313.177



96, 8.549, 313.218



96, 7.560, 327.525



51, 5.675, 313.248



33, 98.090, 314.806



7, 44.601, 316.098



# Inverse Universe

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



96, 5.281, 350.725



96, 6.226, 350.822



98, 7.538, 147.011



51, 4.134, 350.892



41, 68.541, 13.289

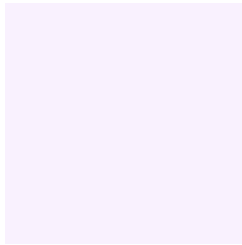


10, 31.284, 6.090



# Previews

## White Background



This preview shows how the CIE LCh color 96, 7.257, 313.181 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 96, 7.257, 313.181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

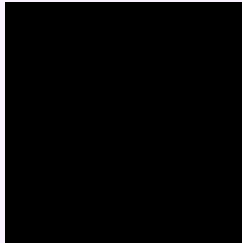
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

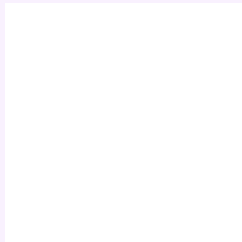
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 7.257, 313.181

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.257, 313.181.



This preview shows how white text looks on a background with the CIELCh color 96, 7.257, 313.181.

# 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

96, 7.263, 313.182

### Protanopia

96, 6.768, 299.507

### Deuteranopia

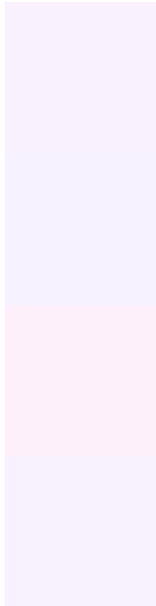
96, 8.008, 335.179





**Tritanopia**  
96, 7.617, 309.293

# Trichromacy



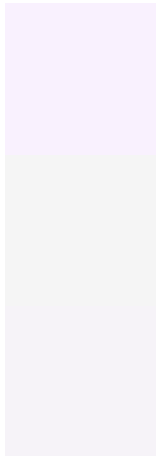
**Original Color**  
96, 7.263, 313.182

**Protanomaly**  
96, 6.833, 302.375

**Deuteranomaly**  
96, 7.293, 329.229

**Tritanomaly**  
96, 7.617, 309.293

# Monochromacy



**Original Color**  
96, 7.263, 313.182

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
96, 2.790, 312.504

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 7.257, 313.181 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, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(249, 241, 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, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 241, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 7.257, 313.181 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, 241, 254) }
```

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

```
.border{ border-color:rgb(249, 241, 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, 241, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(249, 241,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 7.257, 313.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 241, 254) }
```

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

```
.background{ background-color: rgb(249,  
241, 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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