

# Converting Colors

CIELCh(96, 5.745, 295.567)

Have a look what the booklet for  
CIELCh(96, 5.745, 295.567) contains.

<b>CIELCh(96, 5.701, 297.602)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(96, 5.701, 297.602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F2FD
RGB	244, 242, 253
RGB Percent	96%, 95%, 99%
CMY	0.0423, 0.0501, 0.0070
CMYK	0.04, 0.04, 0.00, 0.01
HSL	251°, 76%, 97%
HSV	251°, 4%, 99%
XYZ	86.9617, 90.0078, 105.8983
YIQ	243.8520, -2.3390, 3.8450

# Conversions

## Conversions Part 2

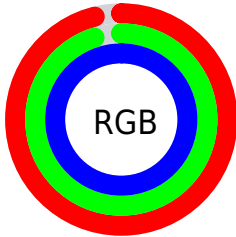
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	244, 242, 253
Decimal	16052989
CIE <sub>Lab</sub>	96.00, 2.64, -5.05
CIE <sub>LCh</sub>	96, 5.701, 297.602
Y <sub>xy</sub>	90.0078, 0.3074, 0.3182
Android (android.graphics.Color)	4294243069 (0xFFFF4F2FD)
YUV	243.8520, 4.5100, 0.1298
Hunter-Lab	94.8724, -2.4107, 0.2301

# Details

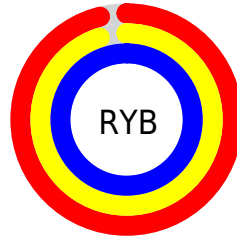
The CIELCh color  $96, 5.701, 297.602$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $99, 5.627, 116.978$ , and the grayscale version is  $96, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $76, 5.452, 298.342$  is the 20% darker color. If you saturate the color by 10%, you get  $88, 19.163, 298.391$ , and if you desaturate by 10%, it is  $100, 0.893, 110.025$ .

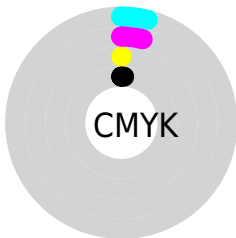
# Distribution



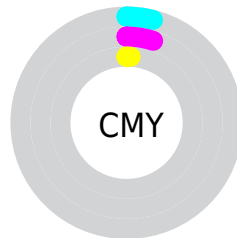
- Red (96%)
- Green (95%)
- Blue (99%)



- Red (96%)
- Yellow (95%)
- Blue (99%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (4%)
- Magenta (5%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.701, 297.602 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, 5.701, 297.602 by changing the saturation by 10% instead.



96, 5.701, 297.602

96, 5.701, 297.602

100, 5.701,  
297.602

86, 5.701, 297.602

76, 5.701, 297.602

66, 5.701, 297.602

56, 5.701, 297.602

46, 5.701, 297.602

36, 5.701, 297.602

26, 5.701, 297.602

16, 5.701, 297.602

6, 5.701, 297.602

96, 5.701, 297.602

96, 5.701, 297.602

88, 19.163,  
298.391

100, 0.893,  
110.025

80, 33.165,  
299.316

73, 47.711,  
300.376

65, 62.759,  
301.571

57, 78.164,  
302.877

50, 93.548,  
304.232

44, 108.115,  
305.506

38, 120.457,  
306.492

■ 35,128.768,  
306.944

# Harmonies

# Complementary

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



96, 5.701, 297.602



99, 5.627, 116.978

# Rectangle

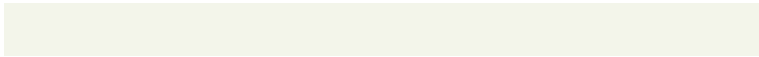
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



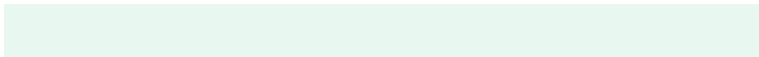
96, 5.701, 297.602



96, 5.701, 347.602



96, 5.701, 117.602



96, 5.701, 167.602

# Sweetspot

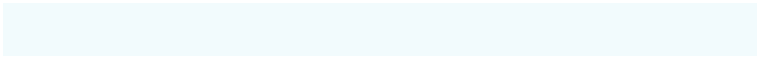
The Sweet Spot groups the original color and five complimentary colors.



96, 5.699, 297.591



99, 1.320, 297.346



98, 3.292, 215.926



53, 0.751, 297.343



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, 5.699, 297.591



96, 6.604, 297.640



96, 6.223, 314.816



51, 4.511, 297.693



24, 106.419, 307.094



4, 44.521, 305.193



# Inverse Universe

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



97, 6.047, 330.098



97, 7.003, 330.146



99, 6.181, 134.522



51, 4.780, 330.196



44, 80.791, 337.078

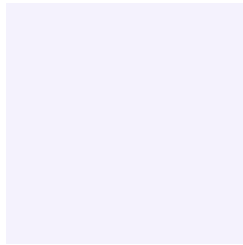


11, 37.790, 335.823



# Previews

## White Background



This preview shows how the CIELCh color 96, 5.701, 297.602 looks on a white background.

## Color Contrast Check

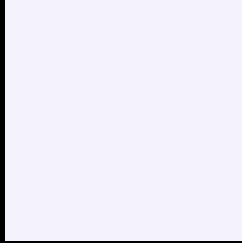
Large Text (above 18pt) WCAG AA × Fail

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, 5.701, 297.602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

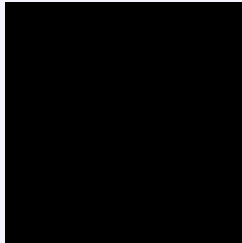
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

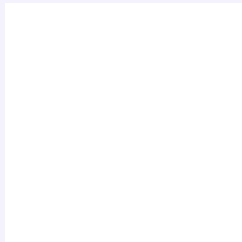
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 5.701, 297.602

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.701, 297.602.

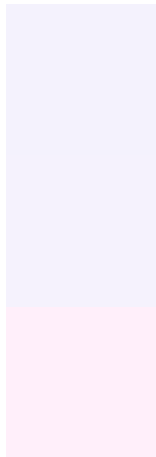


This preview shows how white text looks on a background with the CIELCh color 96, 5.701, 297.602.

# 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, 5.701, 297.602


### Protanopia

96, 5.757, 301.029

### Deuteranopia

96, 8.008, 335.179





**Tritanopia**  
96, 6.768, 299.507

# Trichromacy



**Original Color**  
96, 5.701, 297.602

**Protanomaly**  
96, 5.757, 301.029

**Deuteranomaly**  
96, 6.872, 324.639

**Tritanomaly**  
96, 6.262, 300.203

# Monochromacy



**Original Color**  
96, 5.701, 297.602

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 2.094, 299.993

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 5.701, 297.602 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(244, 242, 253)` looks like.

```
.text, #text, p{  
    color:rgb(244, 242, 253)  
}
```

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(244, 242, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 242, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 5.701, 297.602 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(244, 242, 253) }
```

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

```
.border{ border-color:rgb(244, 242, 253) }
```

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

Here you see how a box with a 4 pixel rgb(244, 242, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 242, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 242, 253);  
box-shadow:4px 4px 4px 4px rgb(244, 242,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 5.701, 297.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 242, 253) }
```

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

```
.background{ background-color: rgb(244,  
242, 253) }
```

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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