

# **Converting Colors**

CIELCh(96, 2.016, 110.071)

Have a look what the booklet for  
CIELCh(96, 2.016, 110.071) contains.

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# **Color**

**CIELCh(96, 2.035, 109.984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F4F0
RGB	244, 244, 240
RGB Percent	96%, 96%, 94%
CMY	0.0441, 0.0441, 0.0598
CMYK	0.00, 0.00, 0.02, 0.04
HSL	60°, 15%, 95%
HSV	60°, 2%, 96%
XYZ	85.1805, 90.0078, 95.1201
YIQ	243.5440, 1.2840, -1.2440

# Conversions

## Conversions Part 2

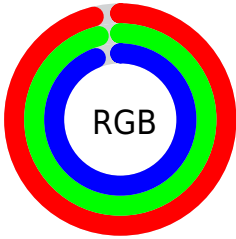
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 244, 240
Decimal	16053488
CIE <sub>Lab</sub>	96.00, -0.70, 1.91
CIE <sub>LCh</sub>	96, 2.035, 109.984
Yxy	90.0078, 0.3151, 0.3330
Android (android.graphics.Color)	4294243568 (0xFFFF4F4F0)
YUV	243.5440, -1.7472, 0.3999
Hunter-Lab	94.8724, -5.7619, 6.9659

# Details

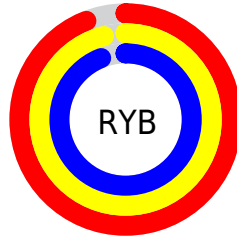
The CIELCh color **96, 2.035, 109.984** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95, 2.066, 290.416**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 2.139, 109.948** is the 20% darker color. If you saturate the color by 10%, you get **95, 14.481, 109.090**, and if you desaturate by 10%, it is **96, 5.771, 290.707**.

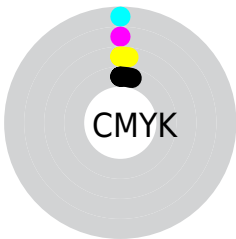
# Distribution



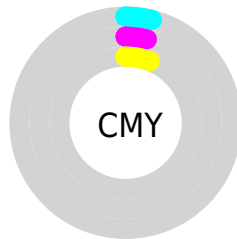
- Red (96%)
- Green (96%)
- Blue (94%)



- Red (94%)
- Yellow (96%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 2.035, 109.984 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, 2.035, 109.984 by changing the saturation by 10% instead.



96, 2.035, 109.984

96, 2.035, 109.984

100, 2.035,  
109.984

86, 2.035, 109.984

76, 2.035, 109.984

66, 2.035, 109.984

56, 2.035, 109.984

46, 2.035, 109.984

36, 2.035, 109.984

26, 2.035, 109.984

16, 2.035, 109.984

6, 2.035, 109.984

96, 2.035, 109.984

96, 2.035, 109.984

95, 14.481,  
109.090

96, 5.771, 290.707

95, 26.829,  
108.115

96, 5.771, 290.797

95, 38.983,  
107.147

96, 5.772, 290.887

94, 50.786,  
106.206

96, 5.772, 291.068

94, 61.997,  
105.320

96, 5.772, 291.158

94, 72.253,  
104.520

96, 5.773, 291.338

94, 81.047,  
103.848

96, 5.773, 291.429

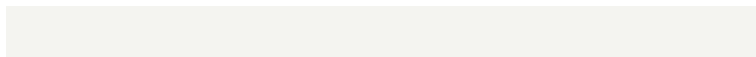
93, 87.779,  
103.345

■ 93, 91.957,  
103.040

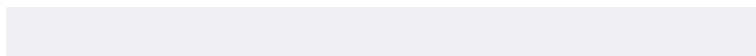
# Harmonies

# Complementary

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



96, 2.035, 109.984



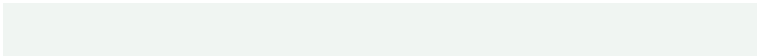
95, 2.066, 290.416

# Rectangle

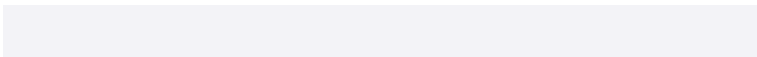
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



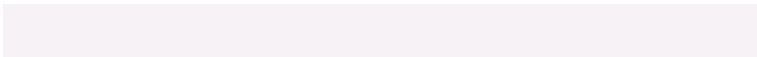
96, 2.035, 109.984



96, 2.035, 159.984



96, 2.035, 289.984



96, 2.035, 339.984

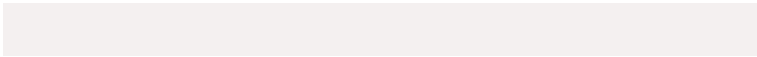
# Sweetspot

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



96, 2.037, 110.027

100, 0.012, 296.813



95, 1.419, 19.055



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



96, 2.037, 110.027



100, 2.575, 109.999



96, 2.165, 129.061



51, 1.416, 110.007



73, 76.501, 102.919



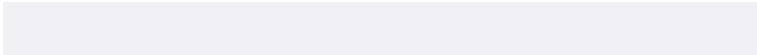
24, 33.185, 103.238





# Inverse Universe

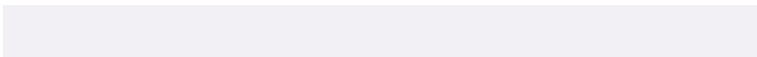
The Inverse Universe completely reimagines the original color for something new.



95, 2.066, 290.416



98, 2.609, 290.445



95, 2.192, 309.078



50, 1.435, 290.436



22, 105.628, 306.290

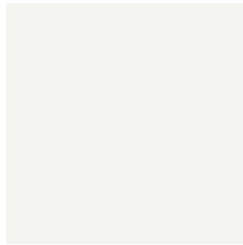


3, 39.908, 299.795



# Previews

## White Background



This preview shows how the CIELCh color 96, 2.035, 109.984 looks on a white background.

## Color Contrast Check

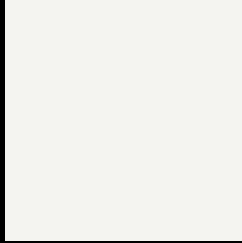
Large Text (above 18pt) WCAG AA × Fail

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, 2.035, 109.984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

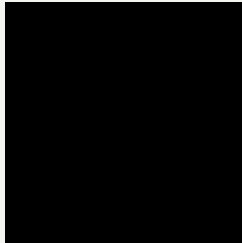
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

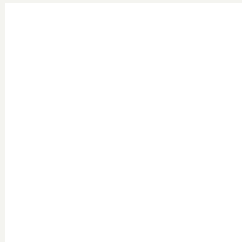
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 2.035, 109.984

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 2.035, 109.984.

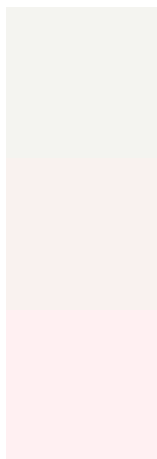


This preview shows how white text looks on a background with the CIELCh color 96, 2.035, 109.984.

# 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, 2.035, 109.984

### Protanopia

96, 2.910, 51.087

### Deuteranopia

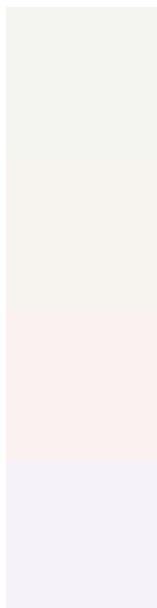
96, 5.448, 8.855



**Tritanopia**  
96, 6.833, 302.375



# Trichromacy



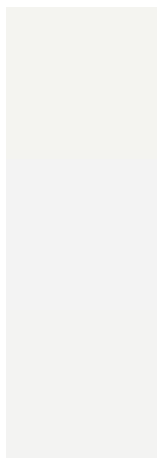
**Original Color**  
96, 2.035, 109.984

**Protanomaly**  
96, 2.471, 74.852

**Deuteranomaly**  
96, 3.556, 19.464

**Tritanomaly**  
96, 3.171, 303.156

# Monochromacy



**Original Color**  
96, 2.035, 109.984

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 0.501, 109.990

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 2.035, 109.984 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, 244, 240)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 240)  
}
```

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, 244, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 2.035, 109.984 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, 244, 240) }
```

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

```
.border{ border-color:rgb(244, 244, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 240);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 2.035, 109.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 240) }
```

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

```
.background{ background-color: rgb(244,  
244, 240) }
```

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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