

# Converting Colors

CIE LCh(96, 1.034, 290.329)

Have a look what the booklet for  
CIELCh(96, 1.034, 290.329) contains.

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# **Color**

**CIELCh(96, 1.035, 290.329)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3F3F5
RGB	243, 243, 245
RGB Percent	95%, 95%, 96%
CMY	0.0458, 0.0458, 0.0380
CMYK	0.01, 0.01, 0.00, 0.04
HSL	240°, 9%, 96%
HSV	240°, 1%, 96%
XYZ	85.7410, 90.0078, 99.4883
YIQ	243.2280, -0.6420, 0.6220

# Conversions

## Conversions Part 2

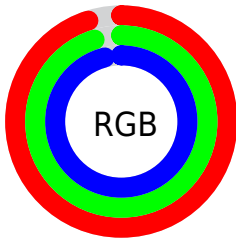
Format	Color
<a href="#">RYB</a>	<a href="#">243, 243, 245</a>
Decimal	<a href="#">15987701</a>
CIELab	<a href="#">96.00, 0.36, -0.97</a>
CIELCh	<a href="#">96, 1.035, 290.329</a>
Yxy	<a href="#">90.0078, 0.3115, 0.3270</a>
Android (android.graphics.Color)	<a href="#">4294177781</a> ( <a href="#">0xFFFF3F3F5</a> )
YUV	<a href="#">243.2280, 0.8736, -0.2000</a>
Hunter-Lab	<a href="#">94.8724, -4.7073, 4.2360</a>

# Details

The CIELCh color **96, 1.035, 290.329** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97, 1.009, 109.943**, 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, 1.085, 290.335** is the 20% darker color. If you saturate the color by 10%, you get **88, 13.839, 291.240**, and if you desaturate by 10%, it is **100, 4.902, 109.796**.

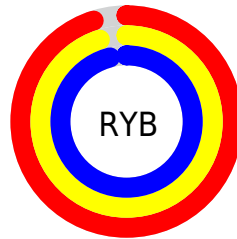
# Distribution



Red (95%)

Green (95%)

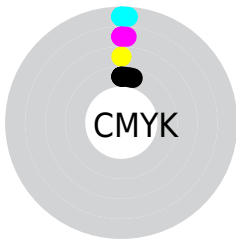
Blue (96%)



Red (95%)

Yellow (95%)

Blue (96%)

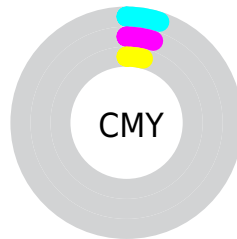


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (5%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 1.035, 290.329 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, 1.035, 290.329 by changing the saturation by 10% instead.



96, 1.035, 290.329

96, 1.035, 290.329

100, 1.035,  
290.329

86, 1.035, 290.329

76, 1.035, 290.329

66, 1.035, 290.329

56, 1.035, 290.329

46, 1.035, 290.329

36, 1.035, 290.329

26, 1.035, 290.329

16, 1.035, 290.329

6, 1.035, 290.329

96, 1.035, 290.329

96, 1.035, 290.329

88, 13.839,  
291.240

100, 4.902,  
109.796

80, 27.183,  
292.489

72, 41.109,  
293.964

64, 55.642,  
295.689

56, 70.751,  
297.666

49, 86.232,  
299.845

42, 101.479,  
302.085

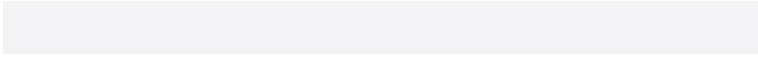
37, 115.138,  
304.114

■ 33,125.078,  
305.576

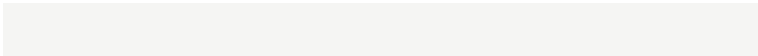
# Harmonies

# Complementary

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



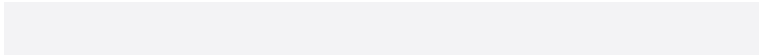
96, 1.035, 290.329



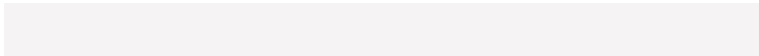
97, 1.009, 109.943

# Rectangle

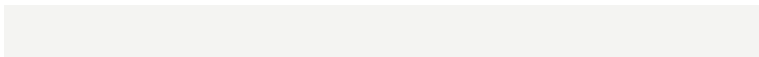
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



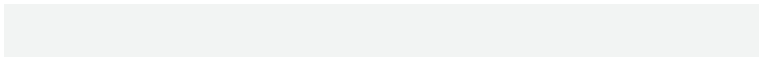
96, 1.035, 290.329



96, 1.035, 340.329



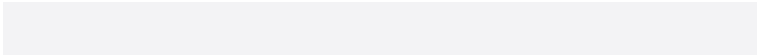
96, 1.035, 110.329



96, 1.035, 160.329

# Sweetspot

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



96, 1.033, 290.249

100, 0.012, 296.813



96, 0.700, 198.884



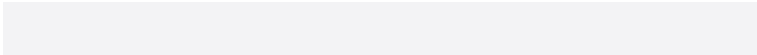
53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

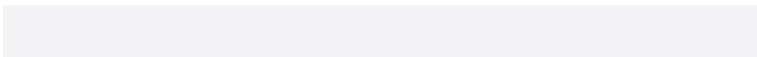
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 1.033, 290.249



99, 1.305, 290.253



96, 1.094, 308.400



51, 0.718, 290.251



22, 105.538, 306.263



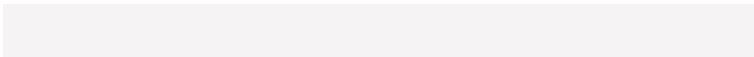
3, 39.848, 299.737





# Inverse Universe

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



96, 0.707, 18.376



99, 0.895, 18.557



97, 1.071, 128.571



51, 0.492, 18.512



39, 82.453, 39.915

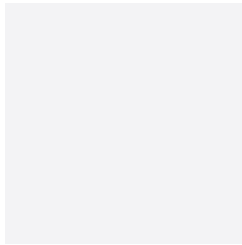


8, 31.011, 24.925



# Previews

## White Background



This preview shows how the CIELCh color 96, 1.035, 290.329 looks on a white background.

## Color Contrast Check

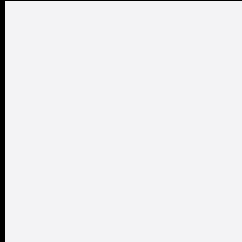
Large Text (above 18pt) WCAG AA × Fail

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, 1.035, 290.329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

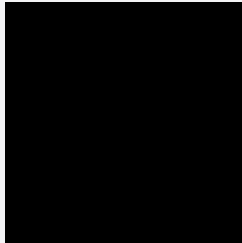
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

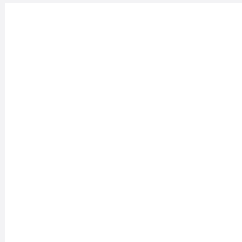
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 1.035, 290.329

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 1.035, 290.329.

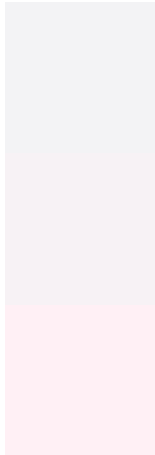


This preview shows how white text looks on a background with the CIELCh color 96, 1.035, 290.329.

# 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, 1.035, 290.329

### Protanopia

96, 2.359, 338.599

### Deuteranopia

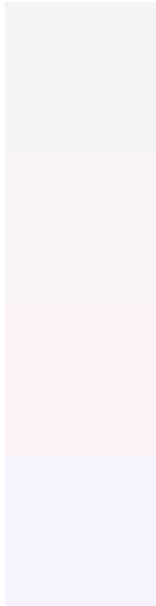
96, 5.924, 354.146



**Tritanopia**  
96, 6.768, 299.507



# Trichromacy



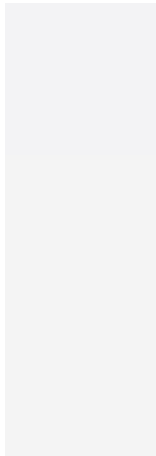
**Original Color**  
96, 1.035, 290.329

**Protanomaly**  
96, 2.106, 332.266

**Deuteranomaly**  
96, 4.108, 349.643

**Tritanomaly**  
96, 4.685, 299.080

# Monochromacy



**Original Color**  
96, 1.035, 290.329

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 0.011, 296.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 1.035, 290.329 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(243, 243, 245)` looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 245)  
}
```

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(243, 243, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 243, 245) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 1.035, 290.329 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(243, 243, 245) }
```

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

```
.border{ border-color:rgb(243, 243, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 243, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 243, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 243, 245);  
box-shadow:4px 4px 4px 4px rgb(243, 243,  
245) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 1.035, 290.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 243, 245) }
```

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

```
.background{ background-color: rgb(243,  
243, 245) }
```

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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