

# Converting Colors

CIELCh(100, 4.020, 169.120)

Have a look what the booklet for  
CIELCh(100, 4.020, 169.120)  
contains.

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# Color

**CIELCh(99, 2.970, 179.432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FEFC
RGB	246, 254, 252
RGB Percent	96%, 100%, 99%
CMY	0.0356, 0.0042, 0.0121
CMYK	0.03, 0.00, 0.01, 0.00
HSL	165°, 79%, 98%
HSV	165°, 3%, 100%
XYZ	90.9554, 97.4360, 106.0440
YIQ	251.3800, -4.1260, -2.3180

# Conversions

## Conversions Part 2

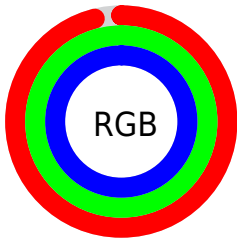
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 251, 254
Decimal	16187132
CIE Lab	99.00, -2.97, 0.03
CIE LCh	99, 2.970, 179.432
Yxy	97.4360, 0.3089, 0.3309
Android (android.graphics.Color)	4294377212 (0xFF6FEFC)
YUV	251.3800, 0.3057, -4.7183
Hunter-Lab	98.7097, -8.2643, 5.4014

# Details

The CIELCh color 99, 2.970, 179.432 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 3.013, 359.587, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 2.779, 176.808 is the 20% darker color. If you saturate the color by 10%, you get 97, 12.305, 178.312, and if you desaturate by 10%, it is 100, 0.676, 324.007.

# Distribution



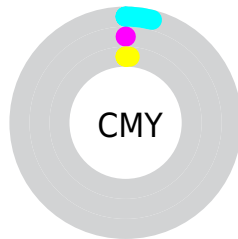
- Red (96%)
- Green (100%)
- Blue (99%)



- Red (96%)
- Yellow (98%)
- Blue (100%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 2.970, 179.432 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 99, 2.970, 179.432 by changing the saturation by 10% instead.



 99, 2.970, 179.432

 99, 2.970, 179.432

 100, 2.970,  
179.432

 89, 2.970, 179.432

 79, 2.970, 179.432

 69, 2.970, 179.432

 59, 2.970, 179.432

 49, 2.970, 179.432

 39, 2.970, 179.432

 29, 2.970, 179.432

 19, 2.970, 179.432

 9, 2.970, 179.432

99, 2.970, 179.432

99, 2.970, 179.432

97, 12.305,  
178.312

100, 0.676,  
324.007

95, 21.350,  
177.289

94, 29.960,  
176.205

93, 37.975,  
175.032

92, 45.232,  
173.749

91, 51.592,  
172.329

90, 56.954,  
170.749

90, 61.284,  
168.985

 89, 64.639,  
167.028

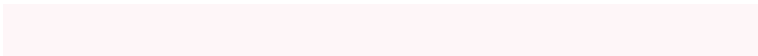
# Harmonies

# Complementary

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



99, 2.970, 179.432



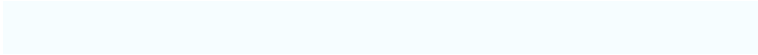
98, 3.013, 359.587

# Rectangle

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



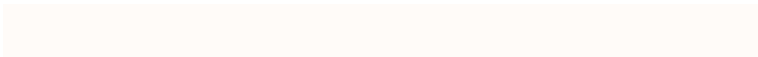
99, 2.970, 179.432



99, 2.970, 229.432



99, 2.970, 359.432



99, 2.970, 49.432

# Sweetspot

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



99, 2.972, 179.404



100, 0.945, 180.028



99, 4.570, 136.695



53, 0.537, 180.066



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



99, 2.972, 179.404



99, 3.787, 179.283



99, 2.317, 223.808



53, 2.690, 179.189



69, 53.453, 165.992

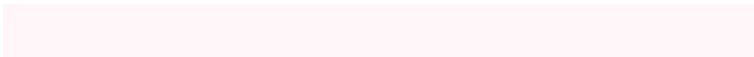


23, 23.658, 168.793

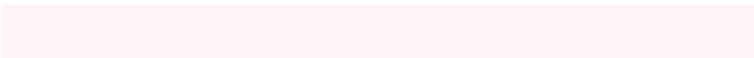


# Inverse Universe

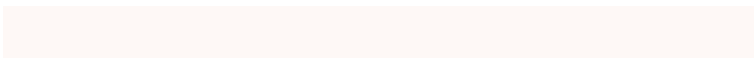
The Inverse Universe completely reimagines the original color for something new.



98, 3.013, 359.587



97, 3.847, 359.710



98, 2.355, 43.023



51, 2.738, 359.806



40, 72.609, 25.593



10, 31.698, 15.968



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.970, 179.432 looks on a white background.

## Color Contrast Check

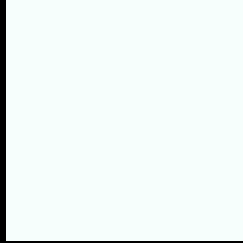
Large Text (above 18pt) WCAG AA × Fail

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 99, 2.970, 179.432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

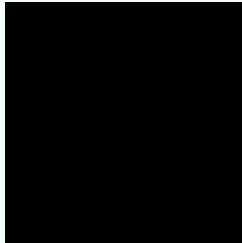
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 2.970, 179.432

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 2.970, 179.432.



This preview shows how white text looks on a background with the CIELCh color 99, 2.970, 179.432.

# 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

A vertical bar on the left side of the page is divided into three colored sections: a light green top section, a light red middle section, and a light yellow bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

**Original Color**  
99, 2.972, 179.430

**Protanopia**  
99, 1.406, 19.030

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 2.972, 179.430

**Protanomaly**

99, 0.497, 109.986

**Deuteranomaly**

99, 0.012, 296.813

**Tritanomaly**

99, 1.158, 226.033

# Monochromacy



**Original Color**

99, 2.972, 179.430



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.165, 174.059

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.970, 179.432 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(246, 254, 252)` looks like.

```
.text, #text, p{  
    color:rgb(246, 254, 252)  
}
```

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(246, 254, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 254, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 2.970, 179.432 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(246, 254, 252) }
```

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

```
.border{ border-color:rgb(246, 254, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 254, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 254, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 254, 252);  
box-shadow:4px 4px 4px 4px rgb(246, 254,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.970, 179.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 254, 252) }
```

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

```
.background{ background-color: rgb(246,  
254, 252) }
```

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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