

# Converting Colors

CIELCh(95, 2.887, 166.816)

Have a look what the booklet for  
CIELCh(95, 2.887, 166.816) contains.

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# **Color**

**CIELCh(95, 2.917, 167.609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF2EF
RGB	235, 242, 239
RGB Percent	92%, 95%, 94%
CMY	0.0774, 0.0499, 0.0617
CMYK	0.03, 0.00, 0.01, 0.05
HSL	154°, 22%, 94%
HSV	154°, 3%, 95%
XYZ	81.7997, 87.6183, 94.4684
YIQ	239.5650, -3.2090, -2.4170

# Conversions

## Conversions Part 2

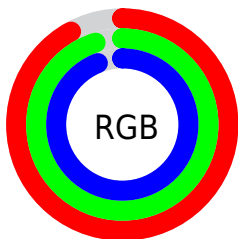
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 239, 242
Decimal	15463151
CIE <sub>Lab</sub>	95.00, -2.85, 0.63
CIE <sub>LCh</sub>	95, 2.917, 167.609
Yxy	87.6183, 0.3100, 0.3320
Android (android.graphics.Color)	4293653231 (0xFFEBF2EF)
YUV	239.5650, -0.2785, -4.0035
Hunter-Lab	93.6047, -7.8197, 5.6861

# Details

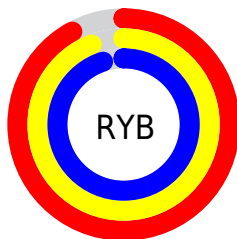
The CIELCh color `95, 2.917, 167.609` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `94, 2.947, 347.752`, and the grayscale version is `95, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `75, 3.067, 167.501` is the 20% darker color. If you saturate the color by 10%, you get `93, 13.023, 166.548`, and if you desaturate by 10%, it is `97, 5.894, 339.868`.

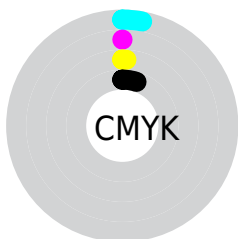
# Distribution



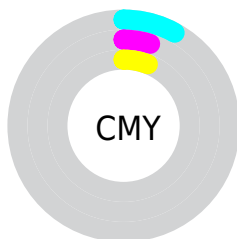
- Red (92%)
- Green (95%)
- Blue (94%)



- Red (92%)
- Yellow (94%)
- Blue (95%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 2.917, 167.609 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 95, 2.917, 167.609 by changing the saturation by 10% instead.



95, 2.917, 167.609

95, 2.917, 167.609

100, 2.917,  
167.609

85, 2.917, 167.609

75, 2.917, 167.609

65, 2.917, 167.609

55, 2.917, 167.609

45, 2.917, 167.609

35, 2.917, 167.609

25, 2.917, 167.609

15, 2.917, 167.609

5, 2.917, 167.609

95, 2.917, 167.609

95, 2.917, 167.609

93, 13.023,  
166.548

97, 5.894, 339.868

97, 7.930, 324.679

91, 23.006,  
165.531

90, 32.723,  
164.416

89, 42.010,  
163.174

87, 50.693,  
161.778

87, 58.609,  
160.203

86, 65.627,  
158.424

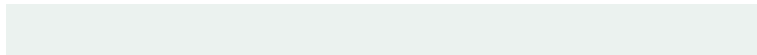
85, 71.680,  
156.430

■ 85,76.790,  
154.225

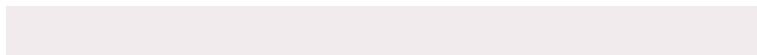
# Harmonies

# Complementary

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



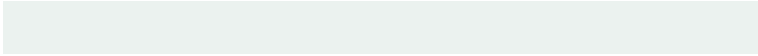
95, 2.917, 167.609



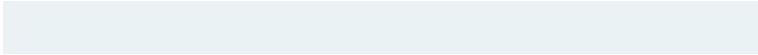
94, 2.947, 347.752

# Rectangle

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



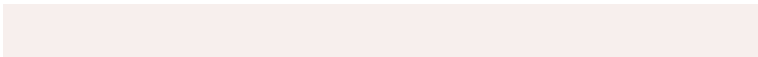
95, 2.917, 167.609



95, 2.917, 217.609



95, 2.917, 347.609



95, 2.917, 37.609

# Sweetspot

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



95, 2.919, 167.590



100, 1.048, 168.077



95, 3.862, 131.284



53, 0.595, 168.107



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

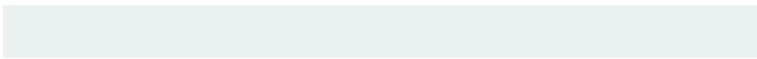
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 2.919, 167.590



99, 3.158, 167.573



95, 2.297, 205.529



51, 2.316, 167.470



67, 65.111, 153.003



21, 27.101, 156.568

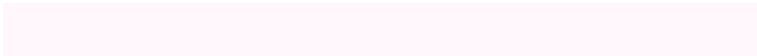


# Inverse Universe

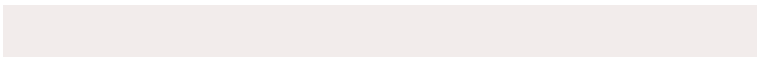
The Inverse Universe completely reimagines the original color for something new.



94, 2.947, 347.752



98, 3.188, 347.768



94, 2.340, 25.178



50, 2.339, 347.872



40, 66.704, 8.889

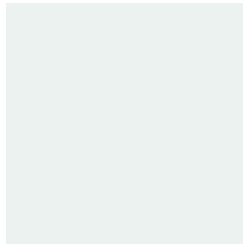


9, 29.765, 1.608



# Previews

## White Background



This preview shows how the CIELCh color 95, 2.917, 167.609 looks on a white background.

## Color Contrast Check

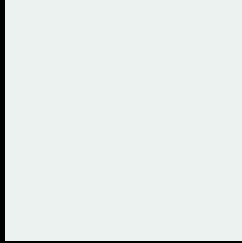
Large Text (above 18pt) WCAG AA × Fail

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 95, 2.917, 167.609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

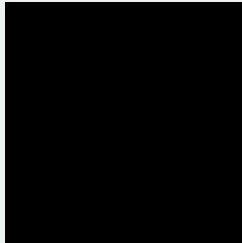
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

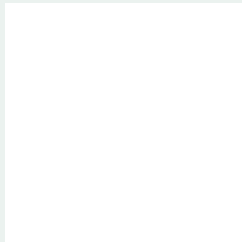
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 95, 2.917, 167.609**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 95, 2.917, 167.609.

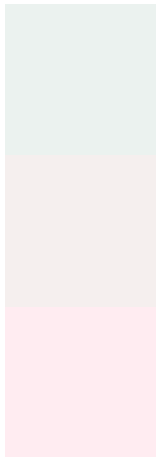


This preview shows how white text looks on a background with the CIELCh color 95, 2.917, 167.609.

# 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

95, 2.917, 167.609

### Protanopia

95, 2.187, 32.796

### Deuteranopia

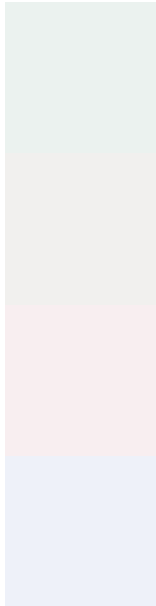
95, 7.263, 359.192





**Tritanopia**  
95, 7.713, 288.230

# Trichromacy



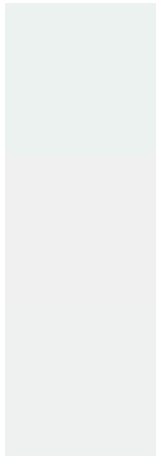
**Original Color**  
95, 2.917, 167.609

**Protanomaly**  
95, 1.071, 90.714

**Deuteranomaly**  
95, 3.711, 3.456

**Tritanomaly**  
95, 4.228, 276.268

# Monochromacy



**Original Color**  
95, 2.917, 167.609

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 1.175, 174.035

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 2.917, 167.609 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(235, 242, 239)` looks like.

```
.text, #text, p{  
    color:rgb(235, 242, 239)  
}
```

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(235, 242, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 2.917, 167.609 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(235, 242, 239) }
```

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

```
.border{ border-color:rgb(235, 242, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 242, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 239);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 2.917, 167.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 239) }
```

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

```
.background{ background-color: rgb(235,  
242, 239) }
```

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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