

# Converting Colors

CIELCh(97, 3.689, 202.258)

Have a look what the booklet for  
CIELCh(97, 3.689, 202.258) contains.

<b>CIELCh(97, 3.816, 199.329)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(97, 3.816, 199.329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF9F9
RGB	238, 249, 249
RGB Percent	93%, 98%, 98%
CMY	0.0682, 0.0250, 0.0250
CMYK	0.04, 0.00, 0.00, 0.03
HSL	180°, 46%, 95%
HSV	180°, 4%, 97%
XYZ	85.9274, 92.4403, 102.6221
YIQ	245.7110, -6.5560, -2.3320

# Conversions

## Conversions Part 2

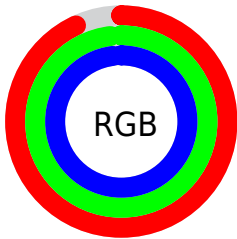
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	238, 244, 249
Decimal	15661561
CIE Lab	97.00, -3.60, -1.26
CIE LCh	97, 3.816, 199.329
Yxy	92.4403, 0.3058, 0.3290
Android (android.graphics.Color)	4293851641 (0xFFEEF9F9)
YUV	245.7110, 1.6215, -6.7625
Hunter-Lab	96.1459, -8.7264, 4.0185

# Details

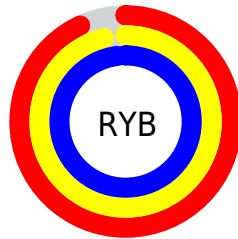
The CIELCh color **97, 3.816, 199.329** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 3.926, 19.481**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 3.992, 199.228** is the 20% darker color. If you saturate the color by 10%, you get **95, 12.129, 198.649**, and if you desaturate by 10%, it is **98, 2.249, 19.199**.

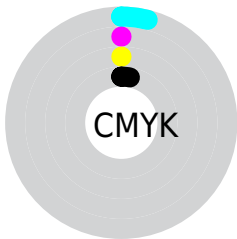
# Distribution



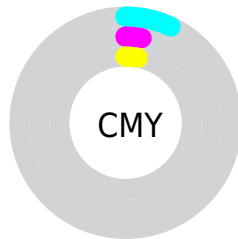
- Red (93%)
- Green (98%)
- Blue (98%)



- Red (93%)
- Yellow (96%)
- Blue (98%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 3.816, 199.329 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 97, 3.816, 199.329 by changing the saturation by 10% instead.



97, 3.816, 199.329

97, 3.816, 199.329

100, 3.816,  
199.329

87, 3.816, 199.329

77, 3.816, 199.329

67, 3.816, 199.329

57, 3.816, 199.329

47, 3.816, 199.329

37, 3.816, 199.329

27, 3.816, 199.329

17, 3.816, 199.329

7, 3.816, 199.329

97, 3.816, 199.329

97, 3.816, 199.329

95, 12.129,  
198.649

98, 2.249, 19.199

94, 19.887,  
198.138

98, 2.249, 19.083

93, 26.950,  
197.690

98, 2.249, 18.968

92, 33.176,  
197.304

98, 2.249, 18.737

91, 38.441,  
196.982

98, 2.249, 18.622

90, 42.653,  
196.728

98, 2.250, 18.391

90, 45.770,  
196.541

98, 2.250, 18.276

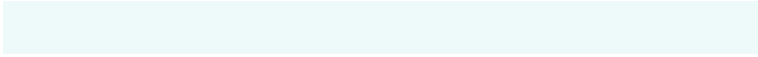
89, 47.811,  
196.417

 89, 48.878,  
196.350

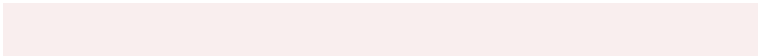
# Harmonies

# Complementary

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



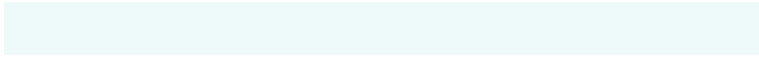
97, 3.816, 199.329



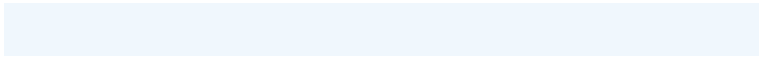
95, 3.926, 19.481

# Rectangle

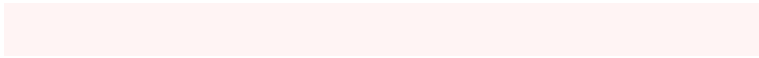
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 3.816, 199.329



97, 3.816, 249.329



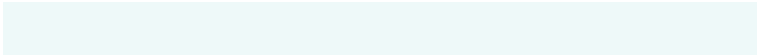
97, 3.816, 19.329



97, 3.816, 69.329

# Sweetspot

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



97, 3.817, 199.298



100, 0.886, 200.067



97, 6.828, 143.796



53, 0.504, 200.109



0, 0.000, 0.000



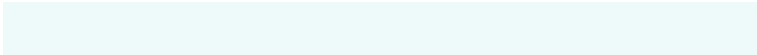
53, 0.007, 296.813





# Same Dimension

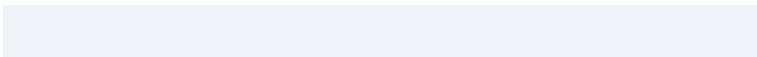
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 3.817, 199.298



99, 4.397, 199.247



96, 3.344, 254.272



52, 2.946, 199.191



69, 39.973, 196.331

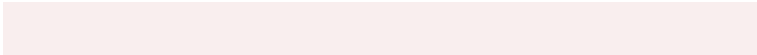


23, 18.085, 196.338



# Inverse Universe

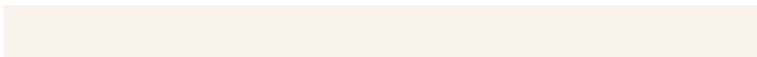
The Inverse Universe completely reimagines the original color for something new.



95, 3.926, 19.481



97, 4.539, 19.537



96, 3.369, 72.929



50, 3.054, 19.600



39, 83.375, 39.986

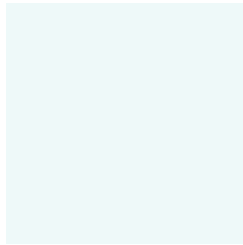


9, 32.193, 26.125



# Previews

## White Background



This preview shows how the CIELCh color 97, 3.816, 199.329 looks on a white background.

## Color Contrast Check

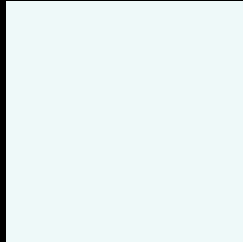
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 97, 3.816, 199.329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

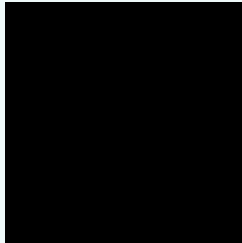
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

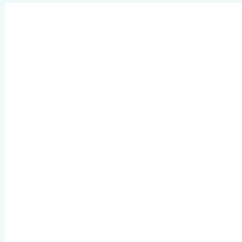
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 3.816, 199.329

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 3.816, 199.329.

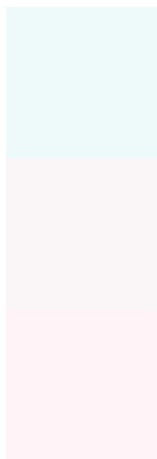


This preview shows how white text looks on a background with the CIELCh color 97, 3.816, 199.329.

# 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

97, 3.816, 199.329

### Protanopia

97, 1.845, 3.104

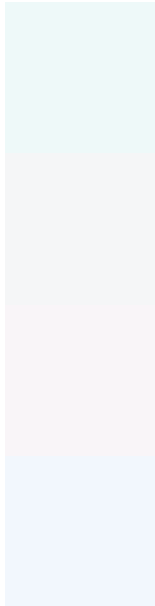
### Deuteranopia

97, 4.971, 348.712



**Tritanopia**  
97, 4.650, 282.004

# Trichromacy



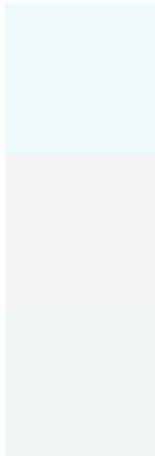
**Original Color**  
97, 3.816, 199.329

**Protanomaly**  
97, 0.624, 256.207

**Deuteranomaly**  
97, 2.101, 332.263

**Tritanomaly**  
97, 3.503, 260.849

# Monochromacy



**Original Color**  
97, 3.816, 199.329

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.399, 199.775

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 3.816, 199.329 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(238, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(238, 249, 249)  
}
```

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(238, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 249, 249) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 3.816, 199.329 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(238, 249, 249) }
```

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

```
.border{ border-color:rgb(238, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(238, 249,  
249) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 3.816, 199.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 249, 249) }
```

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

```
.background{ background-color: rgb(238,  
249, 249) }
```

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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