

# Converting Colors

CIELCh(95, 1.779, 20.571)

Have a look what the booklet for  
CIELCh(95, 1.779, 20.571) contains.

<b>CIELCh(95, 1.840, 35.324)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(95, 1.840, 35.324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F0EF
RGB	245, 240, 239
RGB Percent	96%, 94%, 94%
CMY	0.0409, 0.0604, 0.0644
CMYK	0.00, 0.02, 0.02, 0.04
HSL	10°, 22%, 95%
HSV	10°, 2%, 96%
XYZ	84.0650, 87.6183, 93.8193
YIQ	241.3810, 3.3010, 0.7490

# Conversions

## Conversions Part 2

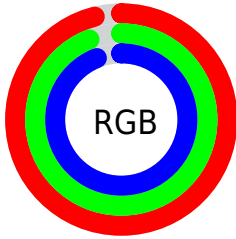
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 240, 239
Decimal	16117999
CIE Lab	95.00, 1.50, 1.06
CIE LCh	95, 1.840, 35.324
Yxy	87.6183, 0.3166, 0.3300
Android (android.graphics.Color)	4294308079 (0xFF5F0EF)
YUV	241.3810, -1.1738, 3.1739
Hunter-Lab	93.6047, -3.4999, 6.0973

# Details

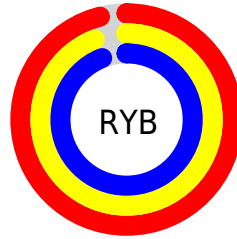
The CIELCh color **95, 1.840, 35.324** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96, 1.815, 216.135**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 1.938, 35.396** is the 20% darker color. If you saturate the color by 10%, you get **89, 9.740, 35.674**, and if you desaturate by 10%, it is **99, 3.601, 199.361**.

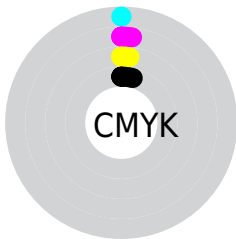
# Distribution



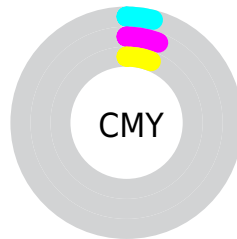
- Red (96%)
- Green (94%)
- Blue (94%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 1.840, 35.324 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, 1.840, 35.324 by changing the saturation by 10% instead.



 95, 1.840, 35.324	 95, 1.840, 35.324
 100, 1.840, 35.324	 85, 1.840, 35.324
	 75, 1.840, 35.324
	 65, 1.840, 35.324
	 55, 1.840, 35.324
	 45, 1.840, 35.324
	 35, 1.840, 35.324
	 25, 1.840, 35.324
	 15, 1.840, 35.324
	 5, 1.840, 35.324

95, 1.840, 35.324

95, 1.840, 35.324

89, 9.740, 35.674

99, 3.601, 199.361

84, 18.317, 35.819

79, 27.620, 36.107

73, 37.665, 36.596

69, 48.420, 37.337

64, 59.767, 38.362

60, 71.430, 39.651

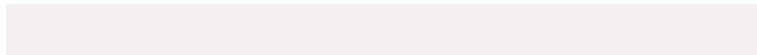
57, 82.809, 41.038

54, 92.565, 42.013

# Harmonies

# Complementary

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



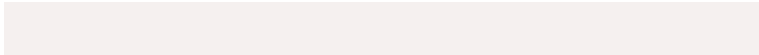
95, 1.840, 35.324



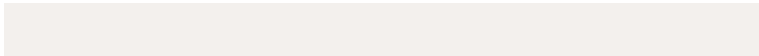
96, 1.815, 216.135

# Rectangle

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



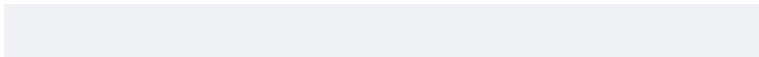
95, 1.840, 35.324



95, 1.840, 85.324



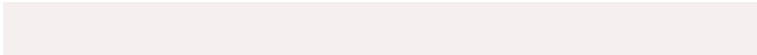
95, 1.840, 215.324



95, 1.840, 265.324

# Sweetspot

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



95, 1.839, 35.401



99, 0.770, 34.901



95, 3.352, 329.436



53, 0.438, 34.857



0, 0.000, 0.000

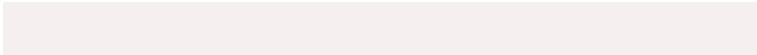


53, 0.007, 296.813

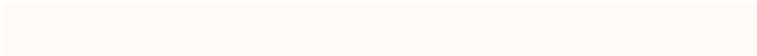


# Same Dimension

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



95, 1.839, 35.401



98, 2.333, 35.462



96, 2.149, 90.693



50, 1.716, 35.518



40, 79.363, 42.569



10, 27.947, 33.986





# Inverse Universe

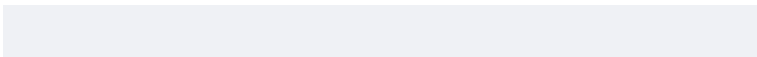
The Inverse Universe completely reimagines the original color for something new.



96, 1.815, 216.135



99, 2.293, 216.077



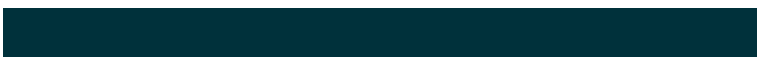
95, 2.167, 271.559



51, 1.678, 216.027



59, 34.373, 228.450

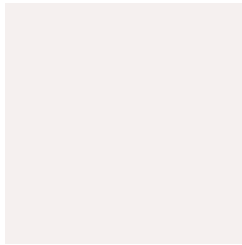


18, 15.312, 223.651



# Previews

## White Background



This preview shows how the CIE LCh color 95, 1.840, 35.324 looks on a white background.

## Color Contrast Check

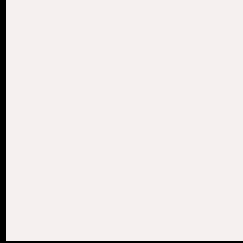
Large Text (above 18pt) WCAG AA × Fail

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, 1.840, 35.324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

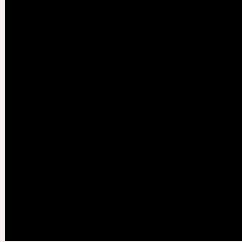
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

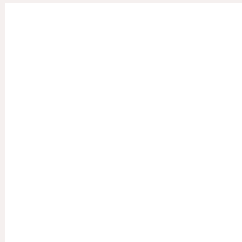
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 1.840, 35.324

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 1.840, 35.324.

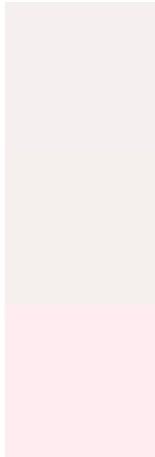


This preview shows how white text looks on a background with the CIELCh color 95, 1.840, 35.324.

# 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, 1.840, 35.324

### Protanopia

95, 2.187, 32.796

### Deuteranopia

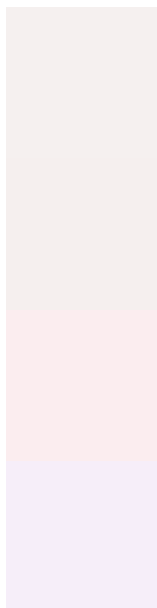
95, 7.104, 3.065



**Tritanopia**  
95, 9.931, 311.271



# Trichromacy



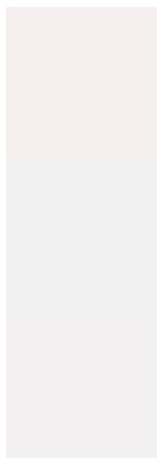
**Original Color**  
95, 1.840, 35.324

**Protanomaly**  
95, 2.187, 32.796

**Deuteranomaly**  
95, 5.108, 8.068

**Tritanomaly**  
95, 6.346, 316.742

# Monochromacy



**Original Color**  
95, 1.840, 35.324

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 0.708, 18.559

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 1.840, 35.324 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(245, 240, 239)` looks like.

```
.text, #text, p{  
    color:rgb(245, 240, 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(245, 240, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 240, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 1.840, 35.324 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(245, 240, 239) }
```

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

```
.border{ border-color:rgb(245, 240, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 240, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 240, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 240, 239);  
box-shadow:4px 4px 4px 4px rgb(245, 240,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 1.840, 35.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 240, 239) }
```

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

```
.background{ background-color: rgb(245,  
240, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor