

# Converting Colors

CIELCh(96, 1.286, 201.691)

Have a look what the booklet for  
CIELCh(96, 1.286, 201.691) contains.

<b>CIELCh(96, 1.051, 199.946)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(96, 1.051, 199.946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F4F4
RGB	241, 244, 244
RGB Percent	95%, 96%, 96%
CMY	0.0545, 0.0428, 0.0428
CMYK	0.01, 0.00, 0.00, 0.04
HSL	180°, 12%, 95%
HSV	180°, 1%, 96%
XYZ	85.0256, 90.0078, 98.5501
YIQ	243.1030, -1.7880, -0.6360

# Conversions

## Conversions Part 2

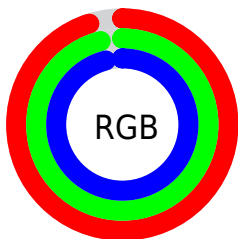
Format	Color
R <sub>Y</sub> B	241, 243, 244
Decimal	15856884
CIE Lab	96.00, -0.99, -0.36
CIE LCh	96, 1.051, 199.946
Yxy	90.0078, 0.3108, 0.3290
Android (android.graphics.Color)	4294046964 (0xFFFF1F4F4)
YUV	243.1030, 0.4422, -1.8443
Hunter-Lab	94.8724, -6.0534, 4.8224

# Details

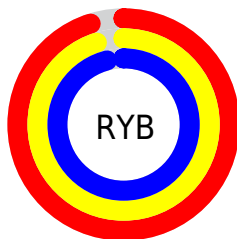
The CIELCh color **96, 1.051, 199.946** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95, 1.063, 18.767**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 1.103, 199.795** is the 20% darker color. If you saturate the color by 10%, you get **94, 9.388, 198.744**, and if you desaturate by 10%, it is **97, 3.871, 19.278**.

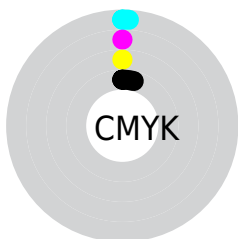
# Distribution



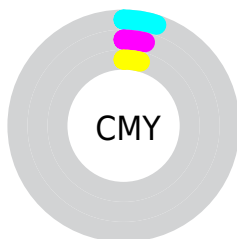
- Red (95%)
- Green (96%)
- Blue (96%)



- Red (95%)
- Yellow (95%)
- Blue (96%)



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



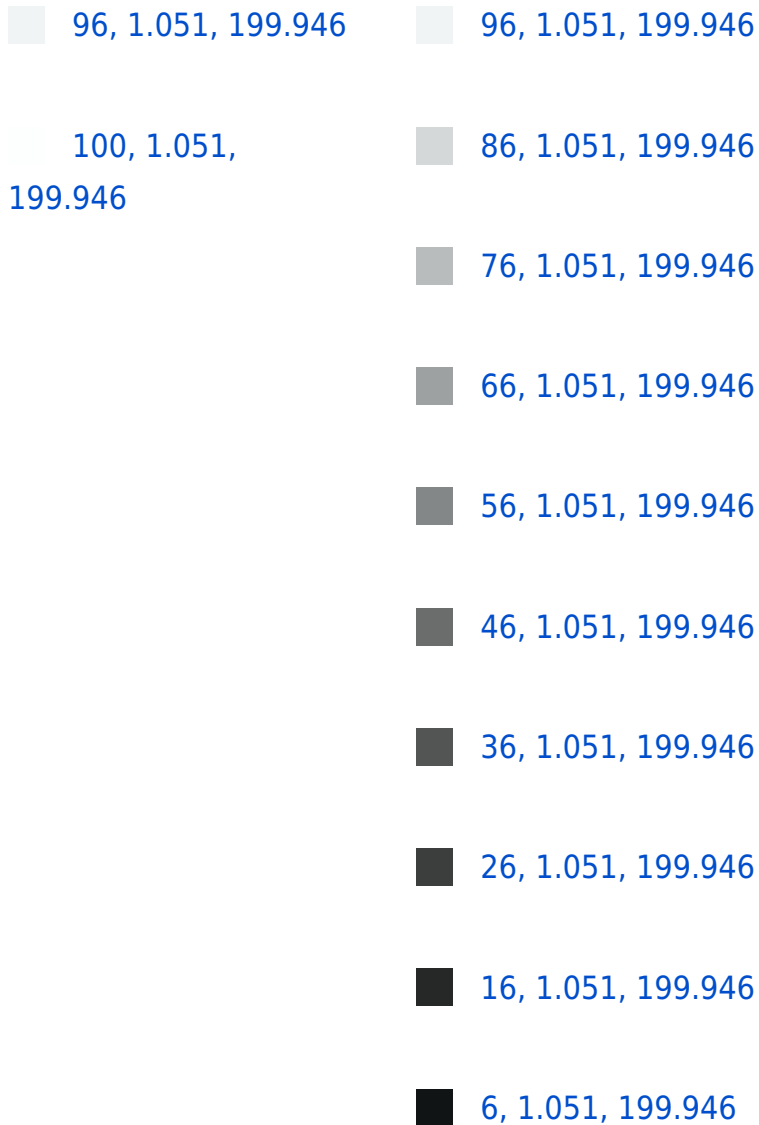
- Cyan (5%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 1.051, 199.946 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, 1.051, 199.946 by changing the saturation by 10% instead.





96, 1.051, 199.946

96, 1.051, 199.946

94, 9.388, 198.744

97, 3.871, 19.278

93, 17.223,  
198.205

97, 3.871, 19.029

92, 24.420,  
197.734

97, 3.872, 18.781

97, 3.872, 18.532

90, 30.838,  
197.323

97, 3.872, 18.284

89, 36.348,  
196.975

97, 3.872, 18.035

97, 3.873, 17.787

89, 40.847,  
196.692

97, 3.873, 17.539

88, 44.275,  
196.474

97, 3.874, 17.291

88, 46.631,  
196.320

■ 88, 47.985,  
196.224

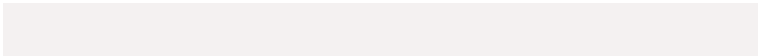
# Harmonies

# Complementary

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



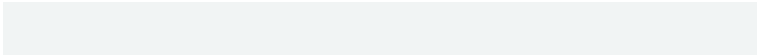
96, 1.051, 199.946



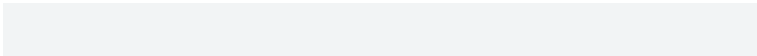
95, 1.063, 18.767

# Rectangle

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



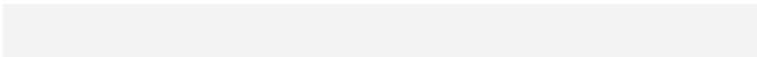
96, 1.051, 199.946



96, 1.051, 249.946



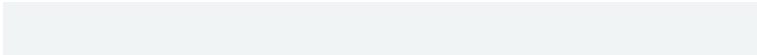
96, 1.051, 19.946



96, 1.051, 69.946

# Sweetspot

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



96, 1.052, 199.832

100, 0.012, 296.813



96, 1.859, 144.091



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

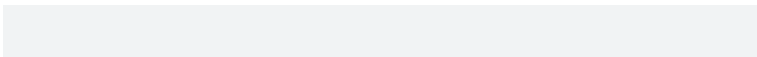
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 1.052, 199.832



100, 0.886, 199.984



96, 0.924, 254.217



51, 0.487, 200.029



69, 39.599, 196.179



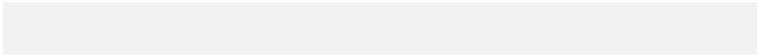
22, 17.604, 196.207





# Inverse Universe

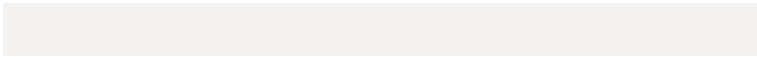
The Inverse Universe completely reimagines the original color for something new.



95, 1.063, 18.767



99, 0.895, 18.616



96, 0.910, 72.960



51, 0.492, 18.571



39, 82.487, 39.944

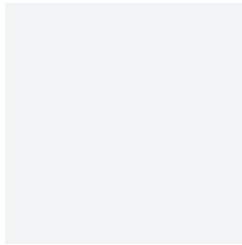


8, 31.016, 24.953



# Previews

## White Background



This preview shows how the CIE LCh color 96, 1.051, 199.946 looks on a white background.

## Color Contrast Check

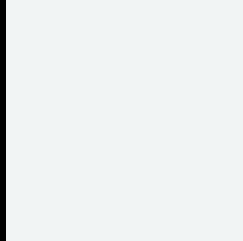
Large Text (above 18pt) WCAG AA × Fail

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, 1.051, 199.946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

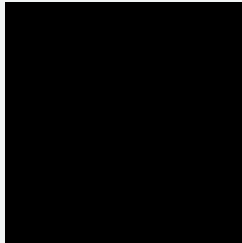
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

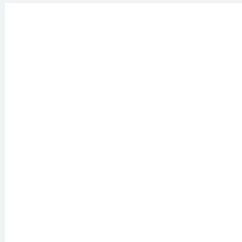
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# **CIELCh 96, 1.051, 199.946**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 96, 1.051, 199.946.

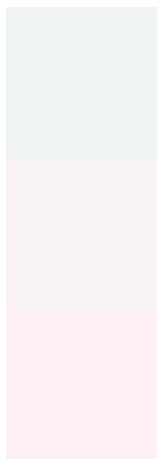


This preview shows how white text looks on a background with the CIELCh color 96, 1.051, 199.946.

# 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, 1.051, 199.946

### Protanopia

96, 2.191, 5.760

### Deuteranopia

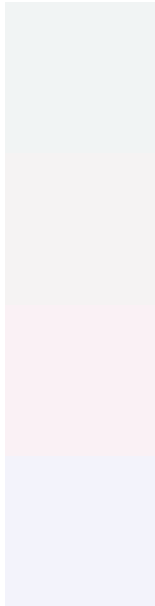
96, 5.924, 354.146



**Tritanopia**  
96, 6.719, 296.596



# Trichromacy



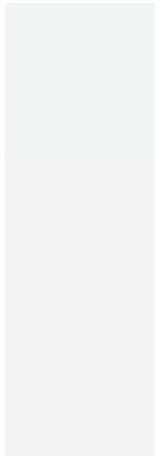
**Original Color**  
96, 1.051, 199.946

**Protanomaly**  
96, 0.707, 18.548

**Deuteranomaly**  
96, 3.805, 346.936

**Tritanomaly**  
96, 4.108, 290.511

# Monochromacy



**Original Color**  
96, 1.051, 199.946

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 0.350, 201.206

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 1.051, 199.946 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(241, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(241, 244, 244)  
}
```

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(241, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 244, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 1.051, 199.946 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(241, 244, 244) }
```

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

```
.border{ border-color:rgb(241, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(241, 244,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 1.051, 199.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 244, 244) }
```

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

```
.background{ background-color: rgb(241,  
244, 244) }
```

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