

# Converting Colors

CIELCh(100, 54.108, 80.305)

Have a look what the booklet for  
CIELCh(100, 54.108, 80.305)  
contains.

<b>CIELCh(96, 48.246, 102.115)</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(96, 48.246, 102.115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF797
RGB	255, 247, 151
RGB Percent	100%, 97%, 59%
CMY	0.0000, 0.0323, 0.4090
CMYK	0.00, 0.03, 0.41, 0.00
HSL	55°, 100%, 80%
HSV	55°, 41%, 100%
XYZ	80.2787, 90.0078, 42.2982
YIQ	238.4480, 35.5840, -28.1600

# Conversions

## Conversions Part 2

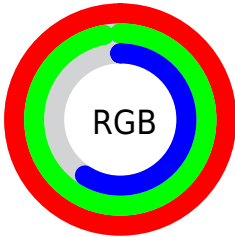
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	160, 255, 151
Decimal	16775063
CIE Lab	96.00, -10.13, 47.17
CIE LCh	96, 48.246, 102.115
Yxy	90.0078, 0.3776, 0.4234
Android (android.graphics.Color)	4294965143 (0xFFFFFFFF797)
YUV	238.4480, -43.1119, 14.5161
Hunter-Lab	94.8724, -14.9844, 39.9767

# Details

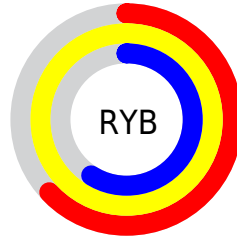
The CIELCh color **96, 48.246, 102.115** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 52.792, 292.708**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 24.734, 108.302**, and **76, 48.349, 102.547** is the 20% darker color. If you saturate the color by 10%, you get **95, 59.305, 101.457**, and if you desaturate by 10%, it is **97, 36.679, 103.550**.

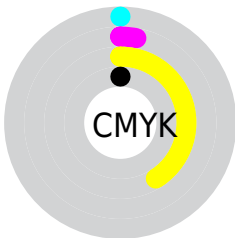
# Distribution



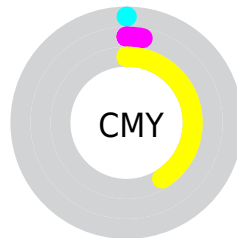
- Red (100%)
- Green (97%)
- Blue (59%)



- Red (63%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (3%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 48.246, 102.115 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, 48.246, 102.115 by changing the saturation by 10% instead.





 96, 48.246,  
102.115


 96, 48.246,  
102.115


 100, 48.246,  
102.115


 86, 48.246,  
102.115

 76, 48.246,  
102.115

 66, 48.246,  
102.115

 56, 48.246,  
102.115

 46, 48.246,  
102.115

 36, 48.246,  
102.115

 26, 48.246,

102.115

■ 16, 48.246,  
102.115

■ 6, 48.246, 102.115

■ 96, 48.246,  
102.115

■ 96, 48.246,  
102.115

■ 95, 59.305,  
101.457

■ 97, 36.679,  
103.550

■ 94, 69.582,  
100.469

■ 98, 24.889,  
104.614

■ 94, 78.539, 99.552

■ 99, 12.989,  
105.666

■ 93, 85.505, 98.729

100, 1.057,

■ 92, 89.829, 98.011

106.600

■ 92, 91.487, 97.432

100, 0.012,

296.813

# Harmonies

# Complementary

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



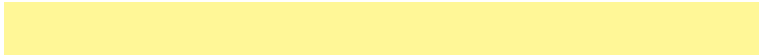
96, 48.246, 102.115



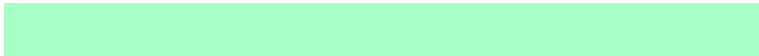
68, 52.792, 292.708

# Rectangle

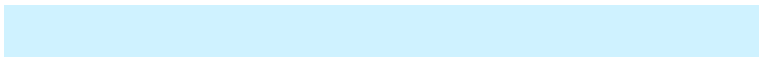
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 48.246, 102.115



96, 48.246, 152.115



96, 48.246, 282.115



96, 48.246, 332.115

# Sweetspot

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



96, 48.223, 102.491



99, 14.305, 105.551



73, 41.877, 17.313



53, 9.489, 105.414



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

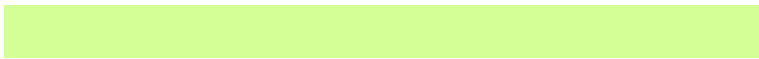
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 48.223, 102.491



95, 57.253, 101.650



95, 54.656, 124.056



53, 6.777, 105.810



71, 73.756, 97.531



24, 33.393, 98.402



# Inverse Universe

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



68, 52.792, 292.708



62, 64.312, 294.387



70, 58.738, 308.491



49, 6.906, 287.858



24, 104.140, 305.336

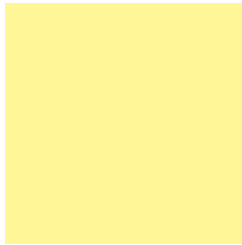


4, 41.618, 300.371



# Previews

## White Background



This preview shows how the CIE LCh color 96, 48.246, 102.115 looks on a white background.

## Color Contrast Check

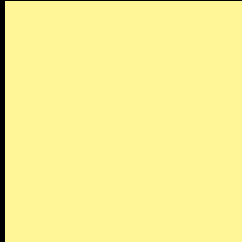
Large Text (above 18pt) WCAG AA × Fail

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 96, 48.246, 102.115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

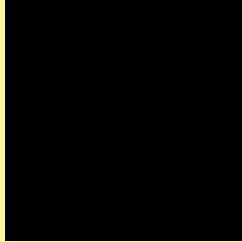
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 96, 48.246, 102.115**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 96, 48.246, 102.115.

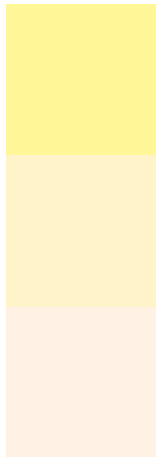


This preview shows how white text looks on a background with the CIELCh color 96, 48.246, 102.115.

# 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, 48.185, 102.607


### Protanopia

96, 21.376, 96.287

### Deuteranopia

96, 8.355, 72.056





**Tritanopia**  
96, 7.326, 340.860

# Trichromacy



**Original Color**  
96, 48.185, 102.607



**Protanomaly**  
96, 31.253, 99.913



**Deuteranomaly**  
96, 22.371, 96.728

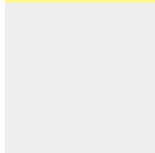


**Tritanomaly**  
96, 15.567, 90.901

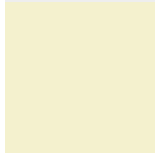
# Monochromacy



**Original Color**  
96, 48.185, 102.607



**Achromatopsia**  
94, 0.011, 296.813



**Achromatomaly**  
95, 17.912, 105.181

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 48.246, 102.115 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(255, 247, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 151)  
}
```

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(255, 247, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 48.246, 102.115 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(255, 247, 151) }
```

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

```
.border{ border-color:rgb(255, 247, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 151); box-shadow:4px 4px 4px 4px rgb(255, 247, 151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 48.246, 102.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 151) }
```

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

```
.background{ background-color: rgb(255,  
247, 151) }
```

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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