

# Converting Colors

CIELCh(96, 4.759, 122.825)

Have a look what the booklet for  
CIELCh(96, 4.759, 122.825) contains.

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# **Color**

**CIELCh(96, 4.724, 122.866)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2F5EC
RGB	242, 245, 236
RGB Percent	95%, 96%, 93%
CMY	0.0520, 0.0403, 0.0756
CMYK	0.01, 0.00, 0.04, 0.04
HSL	80°, 30%, 94%
HSV	80°, 4%, 96%
XYZ	84.1940, 90.0078, 92.0852
YIQ	243.0770, 1.1010, -3.4350

# Conversions

## Conversions Part 2

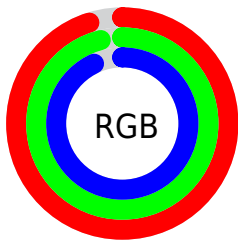
Format	Color
R <sub>Y</sub> B	236, 245, 239
Decimal	15922668
CIE Lab	96.00, -2.56, 3.97
CIE LCh	96, 4.724, 122.866
Yxy	90.0078, 0.3162, 0.3380
Android (android.graphics.Color)	4294112748 (0xFF F2 F5 EC)
YUV	243.0770, -3.4890, -0.9445
Hunter-Lab	94.8724, -7.6179, 8.8626

# Details

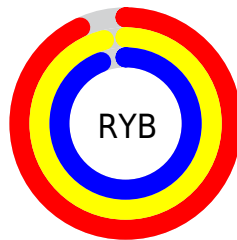
The CIELCh color **96, 4.724, 122.866** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 4.778, 303.247**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 4.963, 122.808** is the 20% darker color. If you saturate the color by 10%, you get **95, 17.601, 122.316**, and if you desaturate by 10%, it is **97, 5.581, 309.315**.

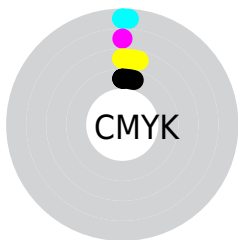
# Distribution



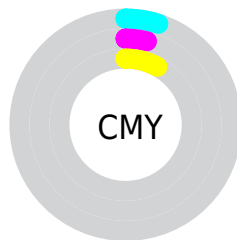
- Red (95%)
- Green (96%)
- Blue (93%)



- Red (93%)
- Yellow (96%)
- Blue (94%)



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



- Cyan (5%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 4.724, 122.866 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, 4.724, 122.866 by changing the saturation by 10% instead.



 96, 4.724, 122.866

 96, 4.724, 122.866

 100, 4.724,  
122.866

 86, 4.724, 122.866

 76, 4.724, 122.866

 66, 4.724, 122.866

 56, 4.724, 122.866

 46, 4.724, 122.866

 36, 4.724, 122.866

 26, 4.724, 122.866

 16, 4.724, 122.866

 6, 4.724, 122.866

96, 4.724, 122.866

96, 4.724, 122.866

95, 17.601,  
122.316

97, 5.581, 309.315

97, 6.395, 324.616

94, 30.403,  
121.748

93, 43.018,  
121.187

92, 55.275,  
120.661

91, 66.922,  
120.218

90, 77.590,  
119.928

90, 86.770,  
119.889

89, 93.878,  
120.221

■ 89, 98.482,  
121.023

# Harmonies

# Complementary

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



96, 4.724, 122.866



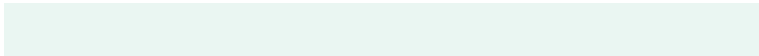
94, 4.778, 303.247

# Rectangle

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



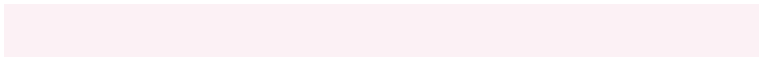
96, 4.724, 122.866



96, 4.724, 172.866



96, 4.724, 302.866



96, 4.724, 352.866

# Sweetspot

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



96, 4.726, 122.879



100, 1.320, 123.062



95, 2.619, 55.188



53, 0.750, 123.068



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

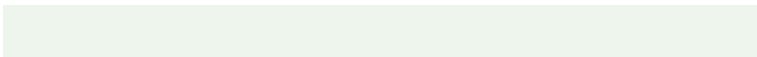
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 4.726, 122.879



100, 5.315, 122.859



96, 5.339, 139.676



51, 3.654, 122.817



69, 81.541, 121.474



22, 34.803, 120.272



# Inverse Universe

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



94, 4.778, 303.247



97, 5.374, 303.266



94, 5.367, 319.919



49, 3.697, 303.310



26, 101.905, 308.786

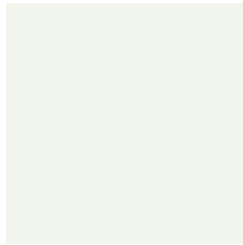


4, 40.963, 307.579



# Previews

## White Background



This preview shows how the CIE LCh color 96, 4.724, 122.866 looks on a white background.

## Color Contrast Check

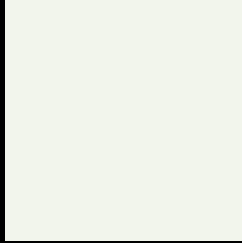
Large Text (above 18pt) WCAG AA × Fail

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, 4.724, 122.866 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

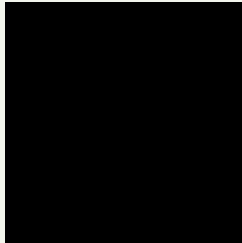
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

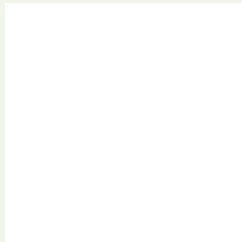
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 4.724, 122.866

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 4.724, 122.866.

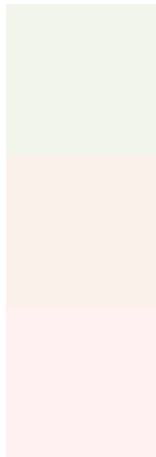


This preview shows how white text looks on a background with the CIELCh color 96, 4.724, 122.866.

# 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, 4.724, 122.866


### Protanopia

96, 4.975, 74.550

### Deuteranopia

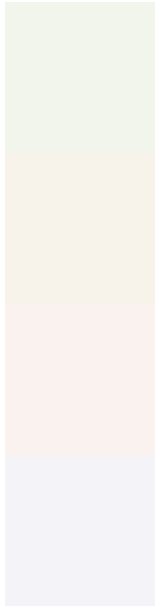
96, 5.379, 14.205





**Tritanopia**  
96, 6.768, 299.507

# Trichromacy



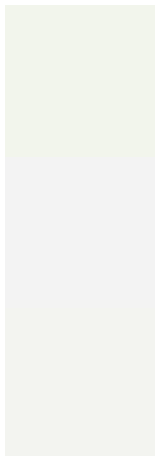
**Original Color**  
96, 4.724, 122.866

**Protanomaly**  
96, 4.312, 90.458

**Deuteranomaly**  
96, 3.222, 47.762

**Tritanomaly**  
96, 2.600, 298.125

# Monochromacy



**Original Color**  
96, 4.724, 122.866

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 2.070, 119.825

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 4.724, 122.866 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(242, 245, 236)` looks like.

```
.text, #text, p{  
    color:rgb(242, 245, 236)  
}
```

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(242, 245, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 245, 236) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 4.724, 122.866 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(242, 245, 236) }
```

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

```
.border{ border-color:rgb(242, 245, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 245, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 245, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 245, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 245,  
236) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 4.724, 122.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 245, 236) }
```

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

```
.background{ background-color: rgb(242,  
245, 236) }
```

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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