

# Converting Colors

CIE LCh(96, 3.177, 206.998)

Have a look what the booklet for  
CIELCh(96, 3.177, 206.998) contains.

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# Color

**CIELCh(96, 3.166, 208.730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF5F6
RGB	236, 245, 246
RGB Percent	93%, 96%, 96%
CMY	0.0735, 0.0382, 0.0343
CMYK	0.04, 0.00, 0.00, 0.03
HSL	186°, 36%, 95%
HSV	186°, 4%, 97%
XYZ	84.0822, 90.0078, 100.3386
YIQ	242.4230, -5.6850, -1.5970

# Conversions

## Conversions Part 2

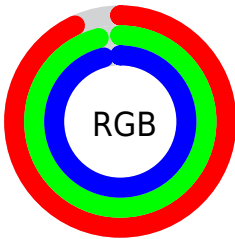
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	236, 241, 246
Decimal	15529462
CIE <sub>Lab</sub>	96.00, -2.78, -1.52
CIE <sub>LCh</sub>	96, 3.166, 208.730
Yxy	90.0078, 0.3064, 0.3280
Android (android.graphics.Color)	4293719542 (0xFFECEF5F6)
YUV	242.4230, 1.7635, -5.6330
Hunter-Lab	94.8724, -7.8282, 3.7047

# Details

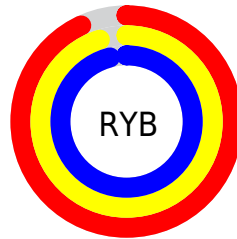
The CIELCh color **96, 3.166, 208.730** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 3.249, 28.463**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 3.314, 208.667** is the 20% darker color. If you saturate the color by 10%, you get **94, 10.677, 208.407**, and if you desaturate by 10%, it is **98, 2.672, 35.419**.

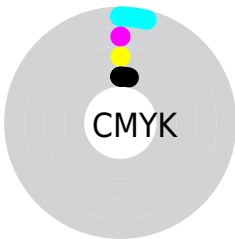
# Distribution



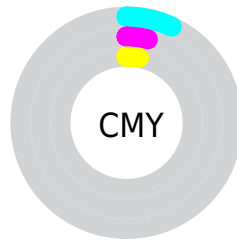
- Red (93%)
- Green (96%)
- Blue (96%)



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



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



- Cyan (7%)
- Magenta (4%)
- Yellow (3%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 3.166, 208.730 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, 3.166, 208.730 by changing the saturation by 10% instead.



 96, 3.166, 208.730

 96, 3.166, 208.730

 100, 3.166,  
208.730

 86, 3.166, 208.730

 76, 3.166, 208.730

 66, 3.166, 208.730

 56, 3.166, 208.730

 46, 3.166, 208.730

 36, 3.166, 208.730

 26, 3.166, 208.730

 16, 3.166, 208.730

 6, 3.166, 208.730

96, 3.166, 208.730

96, 3.166, 208.730

94, 10.677,  
208.407

98, 2.672, 35.419

92, 17.684,  
208.343

99, 2.601, 68.926

99, 3.320, 95.239

90, 24.061,  
208.417

100, 4.421,  
109.830

88, 29.678,  
208.649

86, 34.413,  
209.071

85, 38.165,  
209.719

84, 40.880,  
210.633

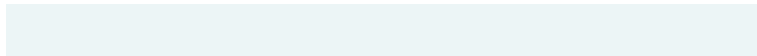
83, 42.563,  
211.854

■ 82, 43.300,  
213.412

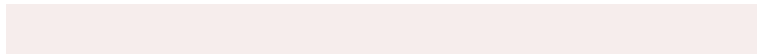
# Harmonies

# Complementary

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



96, 3.166, 208.730



94, 3.249, 28.463

# Rectangle

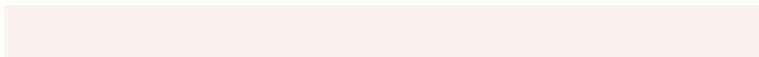
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



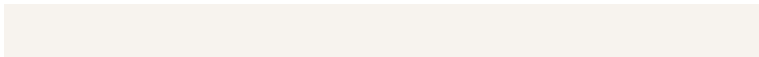
96, 3.166, 208.730



96, 3.166, 258.730



96, 3.166, 28.730



96, 3.166, 78.730

# Sweetspot

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



96, 3.167, 208.690



100, 0.808, 209.369



96, 5.901, 146.590



53, 0.460, 209.413



0, 0.000, 0.000



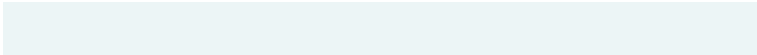
53, 0.007, 296.813





# Same Dimension

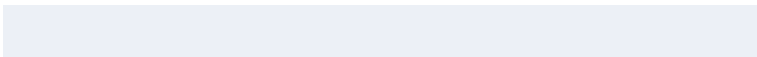
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 3.167, 208.690



99, 4.001, 208.635



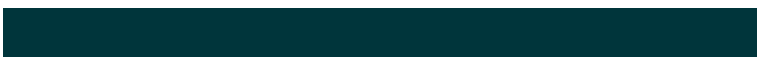
95, 3.315, 264.502



51, 2.636, 208.603



63, 35.243, 214.123



19, 15.841, 211.511



# Inverse Universe

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



94, 5.856, 327.439



97, 7.419, 327.505



96, 3.314, 83.253



49, 4.897, 327.550



43, 84.369, 332.644

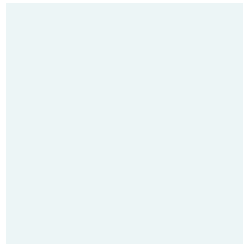


10, 37.900, 332.004



# Previews

## White Background



This preview shows how the CIELCh color 96, 3.166, 208.730 looks on a white background.

## Color Contrast Check

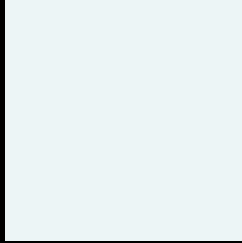
Large Text (above 18pt) WCAG AA × Fail

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, 3.166, 208.730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

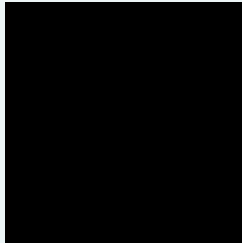
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

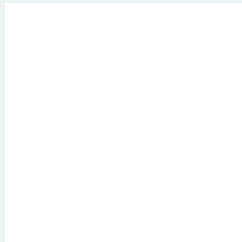
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 96, 3.166, 208.730**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 96, 3.166, 208.730.

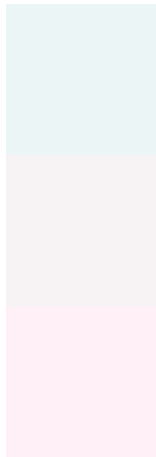


This preview shows how white text looks on a background with the CIELCh color 96, 3.166, 208.730.

# 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, 3.166, 208.730

### Protanopia

96, 2.056, 349.342

### Deuteranopia

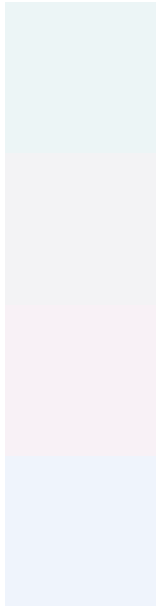
96, 6.732, 347.637





**Tritanopia**  
96, 6.184, 284.270

# Trichromacy



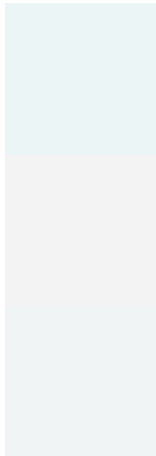
**Original Color**  
96, 3.166, 208.730

**Protanomaly**  
96, 1.035, 290.329

**Deuteranomaly**  
96, 3.583, 333.795

**Tritanomaly**  
96, 4.427, 267.548

# Monochromacy



**Original Color**  
96, 3.166, 208.730

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 1.051, 199.946

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 3.166, 208.730 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(236, 245, 246)` looks like.

```
.text, #text, p{  
    color:rgb(236, 245, 246)  
}
```

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(236, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 246) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 3.166, 208.730 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(236, 245, 246) }
```

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

```
.border{ border-color:rgb(236, 245, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 245, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
246) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 3.166, 208.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 245, 246) }
```

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

```
.background{ background-color: rgb(236,  
245, 246) }
```

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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