

# Converting Colors

CIELCh(96, 7.647, 198.814)

Have a look what the booklet for  
CIELCh(96, 7.647, 198.814) contains.

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# **Color**

**CIELCh(96, 7.557, 199.003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F8F8
RGB	226, 248, 248
RGB Percent	89%, 97%, 97%
CMY	0.1141, 0.0278, 0.0278
CMYK	0.09, 0.00, 0.00, 0.03
HSL	180°, 61%, 93%
HSV	180°, 9%, 97%
XYZ	81.8071, 90.0078, 101.7977
YIQ	241.4220, -13.1120, -4.6640

# Conversions

## Conversions Part 2

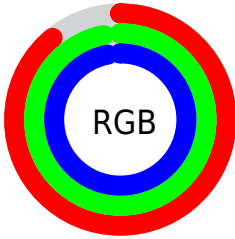
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 237, 248
Decimal	14874872
CIE Lab	96.00, -7.15, -2.46
CIE LCh	96, 7.557, 199.003
Yxy	90.0078, 0.2990, 0.3290
Android (android.graphics.Color)	4293064952 (0xFFE2F8F8)
YUV	241.4220, 3.2430, -13.5251
Hunter-Lab	94.8724, -12.1089, 2.7928

# Details

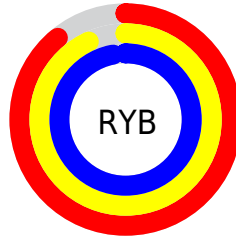
The CIELCh color **96, 7.557, 199.003** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 7.996, 19.878**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 7.531, 198.887** is the 20% darker color. If you saturate the color by 10%, you get **94, 15.622, 198.430**, and if you desaturate by 10%, it is **98, 0.982, 18.795**.

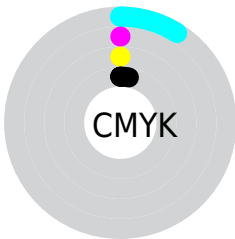
# Distribution



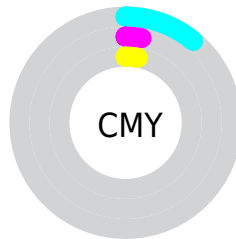
- Red (89%)
- Green (97%)
- Blue (97%)



- Red (89%)
- Yellow (93%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.557, 199.003 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, 7.557, 199.003 by changing the saturation by 10% instead.





96, 7.557, 199.003

96, 7.557, 199.003

94, 15.622,  
198.430

98, 0.982, 18.795

93, 23.071,  
197.949

98, 2.499, 19.255

92, 29.763,  
197.529

98, 2.499, 19.207

91, 35.561,  
197.173

98, 2.499, 19.110

90, 40.356,  
196.882

98, 2.499, 19.062

90, 44.074,  
196.659

98, 2.499, 18.965

89, 46.699,  
196.503

98, 2.499, 18.917

89, 48.286,  
196.408

 89, 49.005,  
196.364

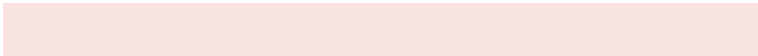
# Harmonies

# Complementary

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



96, 7.557, 199.003



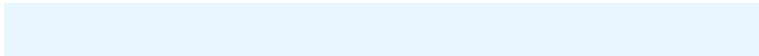
92, 7.996, 19.878

# Rectangle

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



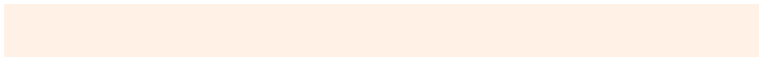
96, 7.557, 199.003



96, 7.557, 249.003



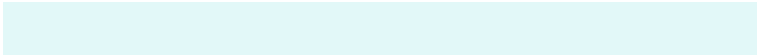
96, 7.557, 19.003



96, 7.557, 69.003

# Sweetspot

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



96, 7.558, 198.988



99, 2.650, 199.473



95, 13.717, 143.508



53, 2.005, 199.376



0, 0.000, 0.000



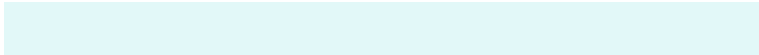
53, 0.007, 296.813



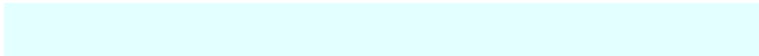


# Same Dimension

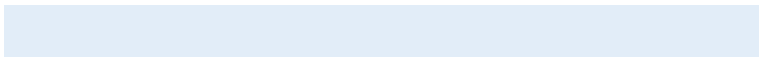
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 7.558, 198.988



98, 9.531, 198.858



93, 6.668, 254.800



51, 4.864, 198.950



69, 39.968, 196.361

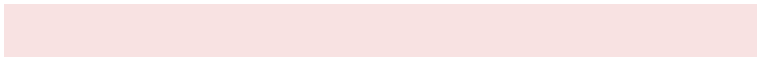


23, 18.083, 196.364

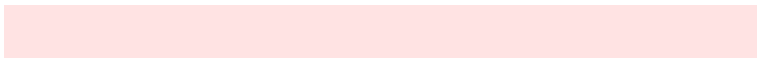


# Inverse Universe

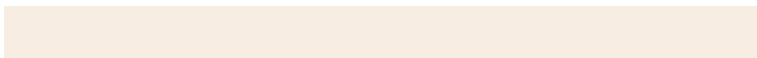
The Inverse Universe completely reimagines the original color for something new.



92, 7.996, 19.878



92, 10.226, 20.050



94, 6.822, 72.459



49, 5.167, 19.928



39, 83.384, 39.993

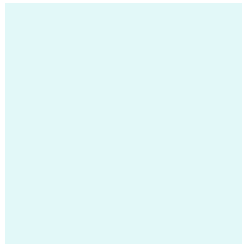


9, 32.194, 26.133



# Previews

## White Background



This preview shows how the CIELCh color 96, 7.557, 199.003 looks on a white background.

## Color Contrast Check

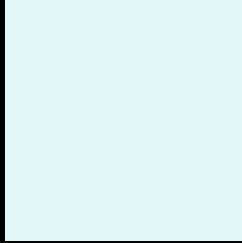
Large Text (above 18pt) WCAG AA × Fail

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, 7.557, 199.003 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

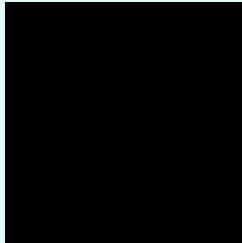
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

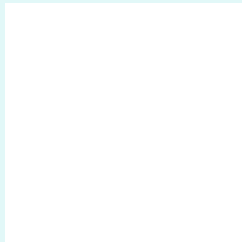
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 7.557, 199.003

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.557, 199.003.

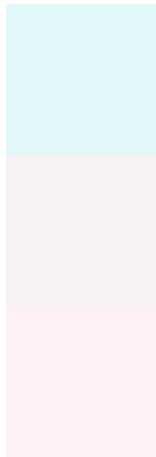


This preview shows how white text looks on a background with the CIELCh color 96, 7.557, 199.003.

# 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, 7.557, 199.003

### Protanopia

96, 2.056, 349.342

### Deuteranopia

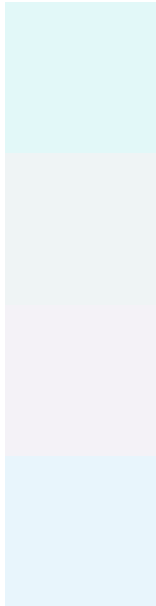
96, 7.016, 344.104





**Tritanopia**  
96, 6.227, 264.506

# Trichromacy



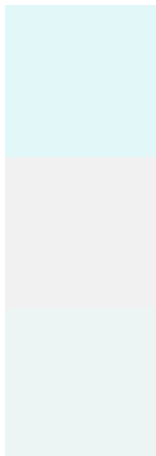
**Original Color**  
96, 7.557, 199.003

**Protanomaly**  
96, 1.816, 216.057

**Deuteranomaly**  
96, 2.676, 305.563

**Tritanomaly**  
96, 5.672, 238.614

# Monochromacy



**Original Color**  
96, 7.557, 199.003

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
96, 2.793, 199.452

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 7.557, 199.003 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(226, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(226, 248, 248)  
}
```

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(226, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 248, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 7.557, 199.003 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(226, 248, 248) }
```

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

```
.border{ border-color:rgb(226, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(226, 248,  
248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 7.557, 199.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 248, 248) }
```

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

```
.background{ background-color: rgb(226,  
248, 248) }
```

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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