

Converting Colors

CIELCh(96, 6.049, 159.987)

Have a look what the booklet for
CIELCh(96, 6.049, 159.987) contains.

CIELCh(96, 6.173, 157.599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 6.173, 157.599)

Conversions

Conversions Part 1

Format	Color
Hex	EAF7EF
RGB	234, 247, 239
RGB Percent	92%, 97%, 94%
CMY	0.0835, 0.0325, 0.0638
CMYK	0.05, 0.00, 0.03, 0.03
HSL	143°, 44%, 94%
HSV	143°, 5%, 97%
XYZ	82.5513, 90.0078, 94.4649
YIQ	242.2010, -5.1800, -5.2440

Conversions

Conversions Part 2

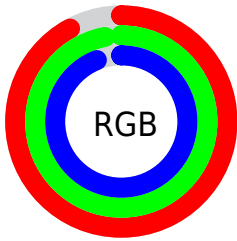
Format	Color
R _Y B	234, 243, 247
Decimal	15398895
CIE Lab	96.00, -5.71, 2.35
CIE LCh	96, 6.173, 157.599
Yxy	90.0078, 0.3092, 0.3371
Android (android.graphics.Color)	4293588975 (0xFFEAF7EF)
YUV	242.2010, -1.5781, -7.1923
Hunter-Lab	94.8724, -10.7086, 7.3754

Details

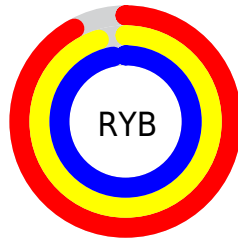
The CIELCh color **96, 6.173, 157.599** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 6.213, 338.239**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 6.484, 157.472** is the 20% darker color. If you saturate the color by 10%, you get **94, 17.964, 156.732**, and if you desaturate by 10%, it is **98, 4.704, 328.394**.

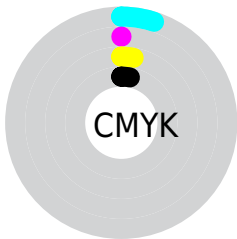
Distribution



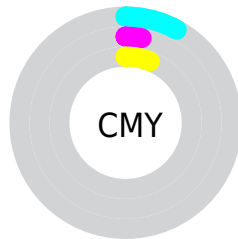
- Red (92%)
- Green (97%)
- Blue (94%)



- Red (92%)
- Yellow (95%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (8%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.173, 157.599 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, 6.173, 157.599 by changing the saturation by 10% instead.

96, 6.173, 157.599

96, 6.173, 157.599

100, 6.173,
157.599

86, 6.173, 157.599

76, 6.173, 157.599

66, 6.173, 157.599

56, 6.173, 157.599

46, 6.173, 157.599

36, 6.173, 157.599

26, 6.173, 157.599

16, 6.173, 157.599

6, 6.173, 157.599

96, 6.173, 157.599

96, 6.173, 157.599

94, 17.964,
156.732

98, 4.704, 328.394

98, 5.154, 324.561

92, 29.706,
155.798

91, 41.235,
154.738


89, 52.354,
153.525

88, 62.849,
152.137

87, 72.510,
150.552

87, 81.161,
148.761

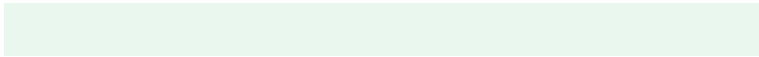
86, 88.688,
146.774

 86, 95.065,
144.635

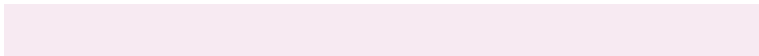
Harmonies

Complementary

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



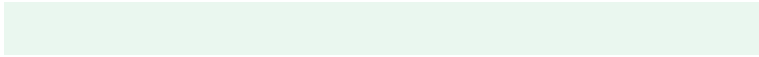
96, 6.173, 157.599



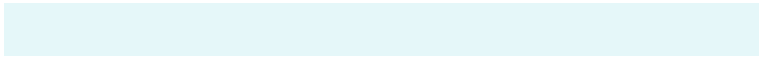
94, 6.213, 338.239

Rectangle

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



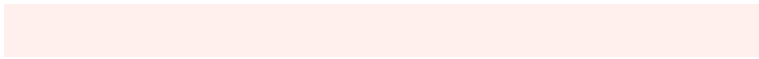
96, 6.173, 157.599



96, 6.173, 207.599



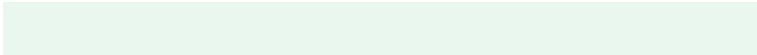
96, 6.173, 337.599



96, 6.173, 27.599

Sweetspot

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



96, 6.175, 157.594



100, 2.398, 157.954



96, 6.881, 124.643



53, 1.363, 157.971



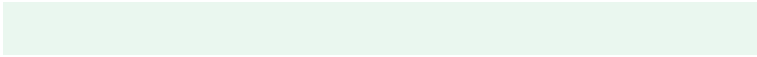
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

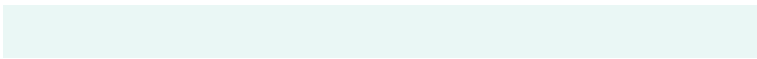
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 6.175, 157.594



99, 7.225, 157.528



96, 4.599, 189.512



51, 4.637, 157.474



66, 78.408, 144.037



21, 32.354, 147.482

Inverse Universe

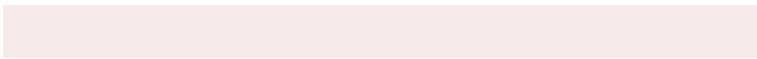
The Inverse Universe completely reimagines the original color for something new.



94, 6.213, 338.239



96, 7.271, 338.303



94, 4.723, 10.110



49, 4.667, 338.356



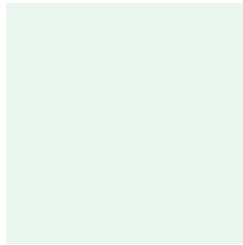
41, 69.474, 351.593



9, 31.736, 347.458

Previews

White Background



This preview shows how the CIELCh color 96, 6.173, 157.599 looks on a white background.

Color Contrast Check

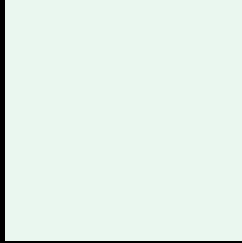
Large Text (above 18pt) WCAG AA × Fail

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, 6.173, 157.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

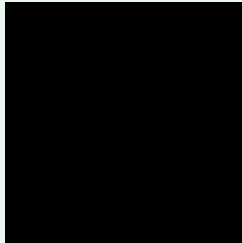
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

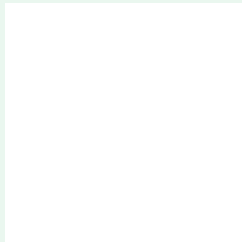
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 6.173, 157.599

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.173, 157.599.

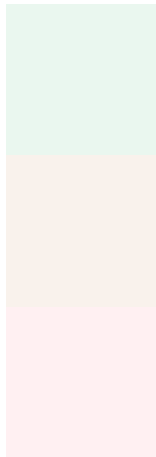


This preview shows how white text looks on a background with the CIELCh color 96, 6.173, 157.599.

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

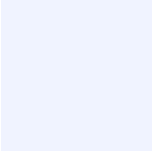
96, 6.173, 157.599

Protanopia

96, 3.938, 70.414

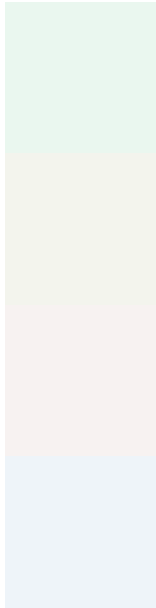
Deuteranopia

96, 5.448, 8.855



Tritanopia
96, 6.226, 281.124

Trichromacy



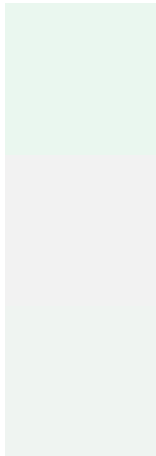
Original Color
96, 6.173, 157.599

Protanomaly
96, 3.591, 115.563

Deuteranomaly
96, 1.837, 35.321

Tritanomaly
96, 3.280, 251.010

Monochromacy



Original Color
96, 6.173, 157.599

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.344, 158.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 6.173, 157.599 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(234, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(234, 247, 239)  
}
```

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(234, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 247, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.173, 157.599 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(234, 247, 239) }
```

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

```
.border{ border-color:rgb(234, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 247,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.173, 157.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 247, 239) }
```

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

```
.background{ background-color: rgb(234,  
247, 239) }
```

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