

Converting Colors

CIELCh(96, 4.336, 153.651)

Have a look what the booklet for
CIELCh(96, 4.336, 153.651) contains.

CIELCh(96, 4.434, 155.500)	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, 4.434, 155.500)

Conversions

Conversions Part 1

Format	Color
Hex	EDF6F0
RGB	237, 246, 240
RGB Percent	93%, 96%, 94%
CMY	0.0715, 0.0362, 0.0597
CMYK	0.04, 0.00, 0.02, 0.04
HSL	140°, 33%, 95%
HSV	140°, 4%, 96%
XYZ	83.4226, 90.0078, 95.2302
YIQ	242.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

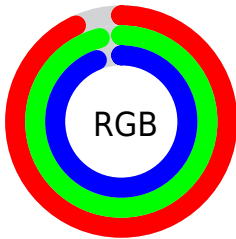
Format	Color
R _Y B	237, 244, 246
Decimal	15595248
CIE Lab	96.00, -4.03, 1.84
CIE LCh	96, 4.434, 155.500
Yxy	90.0078, 0.3105, 0.3350
Android (android.graphics.Color)	4293785328 (0xFFEDF6F0)
YUV	242.6250, -1.2941, -4.9331
Hunter-Lab	94.8724, -9.0694, 6.8971

Details

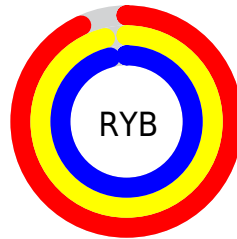
The CIELCh color **96, 4.434, 155.500** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95, 4.462, 335.826**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 4.659, 155.407** is the 20% darker color. If you saturate the color by 10%, you get **94, 16.646, 154.659**, and if you desaturate by 10%, it is **98, 5.749, 324.588**.

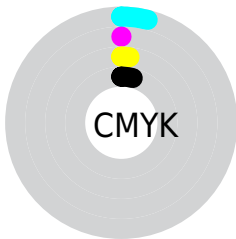
Distribution



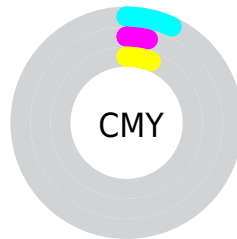
- Red (93%)
- Green (96%)
- Blue (94%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 4.434, 155.500 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, 4.434, 155.500 by changing the saturation by 10% instead.

 96, 4.434, 155.500

 96, 4.434, 155.500

 100, 4.434,
155.500

 86, 4.434, 155.500

 76, 4.434, 155.500

 66, 4.434, 155.500

 56, 4.434, 155.500

 46, 4.434, 155.500

 36, 4.434, 155.500

 26, 4.434, 155.500

 16, 4.434, 155.500

 6, 4.434, 155.500

96, 4.434, 155.500

96, 4.434, 155.500

94, 16.646,
154.659

98, 5.749, 324.588

92, 28.855,
153.773

90, 40.896,
152.763

89, 52.566,
151.604

88, 63.640,
150.272

87, 73.887,
148.749

86, 83.099,
147.029

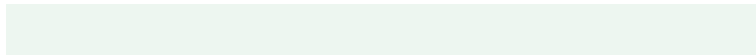
86, 91.119,
145.128

■ 85, 97.871,
143.094

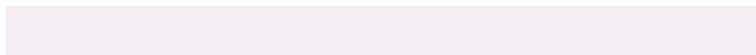
Harmonies

Complementary

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



96, 4.434, 155.500



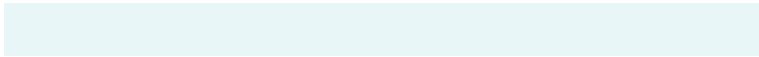
95, 4.462, 335.826

Rectangle

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



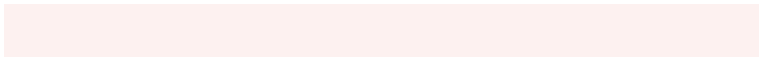
96, 4.434, 155.500



96, 4.434, 205.500



96, 4.434, 335.500



96, 4.434, 25.500

Sweetspot

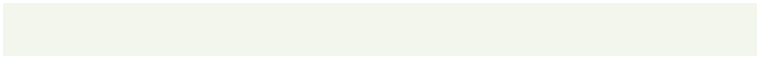
The Sweet Spot groups the original color and five complimentary colors.



96, 4.436, 155.494



100, 1.239, 155.929



96, 4.710, 122.238



53, 0.704, 155.950



0, 0.000, 0.000



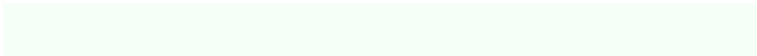
53, 0.007, 296.813

Same Dimension

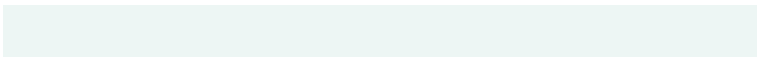
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 4.436, 155.494



99, 4.994, 155.461



96, 3.266, 184.393



51, 3.434, 155.395



66, 81.724, 142.195



21, 33.747, 145.514

Inverse Universe

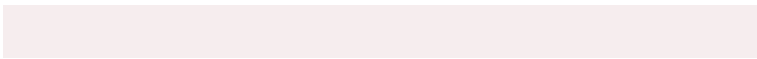
The Inverse Universe completely reimagines the original color for something new.



95, 4.462, 335.826



97, 5.021, 335.858



94, 3.323, 4.678



50, 3.453, 335.923



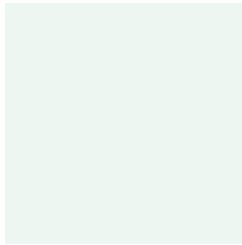
41, 71.399, 347.420



10, 32.622, 344.104

Previews

White Background



This preview shows how the CIE LCh color 96, 4.434, 155.500 looks on a white background.

Color Contrast Check

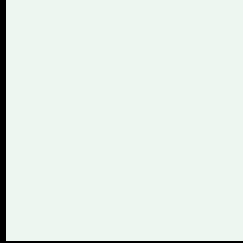
Large Text (above 18pt) WCAG AA × Fail

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, 4.434, 155.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

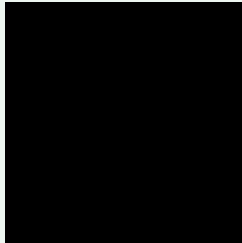
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

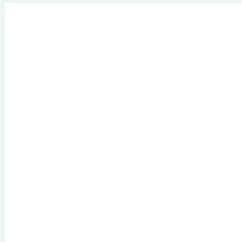
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 4.434, 155.500

Background



This preview shows how black text looks on a background with the CIELCh color 96, 4.434, 155.500.

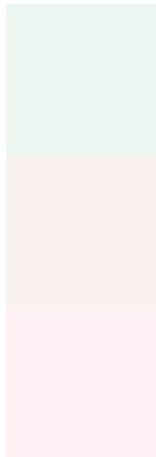


This preview shows how white text looks on a background with the CIELCh color 96, 4.434, 155.500.

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, 4.434, 155.500

Protanopia

96, 3.208, 58.877

Deuteranopia

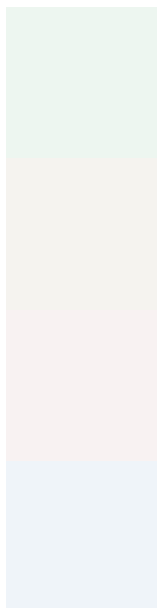
96, 5.564, 3.684



Tritanopia

96, 6.184, 284.270

Trichromacy



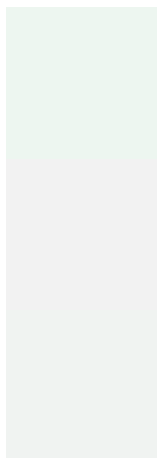
Original Color
96, 4.434, 155.500

Protanomaly
96, 2.149, 90.693

Deuteranomaly
96, 2.126, 19.247

Tritanomaly
96, 3.077, 256.062

Monochromacy



Original Color
96, 4.434, 155.500

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 1.473, 155.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 4.434, 155.500 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(237, 246, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 246, 240)  
}
```

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(237, 246, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 246, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 4.434, 155.500 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(237, 246, 240) }
```

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

```
.border{ border-color:rgb(237, 246, 240) }
```

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

Here you see how a box with a 4 pixel rgb(237, 246, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 246, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 246, 240);  
box-shadow:4px 4px 4px 4px rgb(237, 246,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 4.434, 155.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 246, 240) }
```

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

```
.background{ background-color: rgb(237,  
246, 240) }
```

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