

Converting Colors

CIELCh(96, 15.344, 166.162)

Have a look what the booklet for
CIELCh(96, 15.344, 166.162)
contains.

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Color

CIElCh(96, 15.344, 166.162)

Conversions

Conversions Part 1

Format	Color
Hex	D7FCEC
RGB	215, 252, 236
RGB Percent	84%, 99%, 93%
CMY	0.1574, 0.0123, 0.0750
CMYK	0.15, 0.00, 0.06, 0.01
HSL	154°, 86%, 92%
HSV	154°, 15%, 99%
XYZ	77.8711, 90.0078, 92.5210
YIQ	239.1130, -16.9160, -12.8200

Conversions

Conversions Part 2

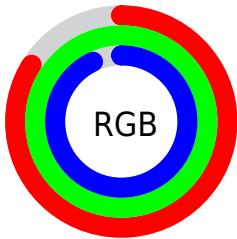
Format	Color
R _Y B	215, 239, 252
Decimal	14154988
CIE Lab	96.00, -14.90, 3.67
CIE LCh	96, 15.344, 166.162
Yxy	90.0078, 0.2990, 0.3457
Android (android.graphics.Color)	4292345068 (0xFFD7FCEC)
YUV	239.1130, -1.5347, -21.1471
Hunter-Lab	94.8724, -19.5144, 8.5902

Details

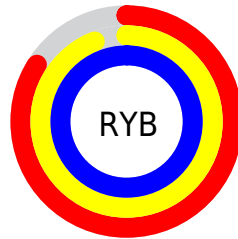
The CIELCh color **96, 15.344, 166.162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **89, 15.741, 348.782**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 15.169, 166.087** is the 20% darker color. If you saturate the color by 10%, you get **94, 25.640, 165.126**, and if you desaturate by 10%, it is **98, 4.904, 167.155**.

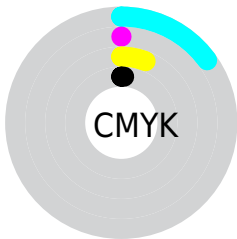
Distribution



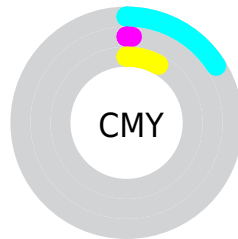
- Red (84%)
- Green (99%)
- Blue (93%)



- Red (84%)
- Yellow (94%)
- Blue (99%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (16%)
- Magenta (1%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 15.344, 166.162 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, 15.344, 166.162 by changing the saturation by 10% instead.


 96, 15.344,
166.162


 96, 15.344,
166.162


 100, 15.344,
166.162


 86, 15.344,
166.162

 76, 15.344,
166.162

 66, 15.344,
166.162

 56, 15.344,
166.162

 46, 15.344,
166.162

 36, 15.344,
166.162

 26, 15.344,

166.162

■ 16, 15.344,
166.162

■ 6, 15.344, 166.162

■ 96, 15.344,
166.162

■ 96, 15.344,
166.162

■ 94, 25.640,
165.126

■ 98, 4.904, 167.155

■ 99, 1.954, 324.352

■ 93, 35.631,
163.988

■ 91, 45.145,
162.717

■ 90, 54.004,
161.286

■ 89, 62.040,
159.669

■ 89, 69.129,
157.844

■ 88, 75.216,
155.801

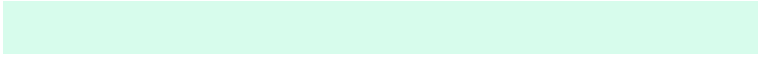
■ 88, 80.343,
153.554

■ 88, 82.784,
152.327

Harmonies

Complementary

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



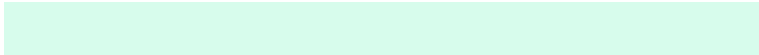
96, 15.344, 166.162



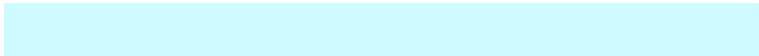
89, 15.741, 348.782

Rectangle

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



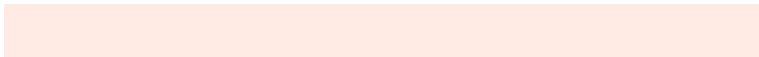
96, 15.344, 166.162



96, 15.344, 216.162



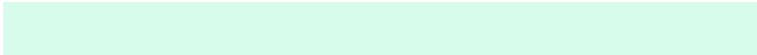
96, 15.344, 346.162



96, 15.344, 36.162

Sweetspot

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



96, 15.346, 166.159



99, 4.223, 167.233



97, 20.360, 130.726



53, 3.002, 167.148



0, 0.000, 0.000



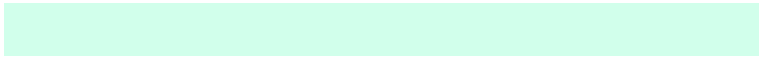
53, 0.007, 296.813

Same Dimension

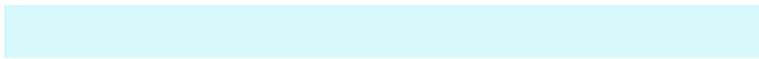
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 15.346, 166.159



96, 18.965, 165.825



96, 11.676, 204.972



51, 5.907, 166.669



68, 66.069, 152.769



22, 28.064, 156.159

Inverse Universe

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



89, 15.741, 348.782



88, 19.562, 349.128



90, 12.878, 25.942



49, 6.008, 348.258



40, 67.368, 8.594



10, 30.592, 1.693

Previews

White Background



This preview shows how the CIE LCh color 96, 15.344, 166.162 looks on a white background.

Color Contrast Check

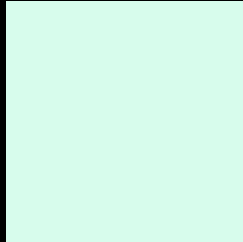
Large Text (above 18pt) WCAG AA × Fail

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, 15.344, 166.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

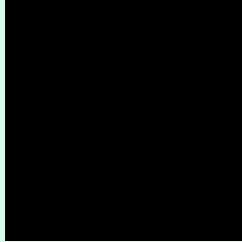
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

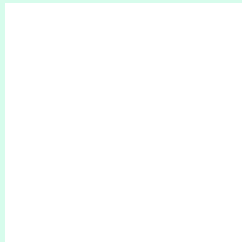
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 15.344, 166.162

Background



This preview shows how black text looks on a background with the CIELCh color 96, 15.344, 166.162.

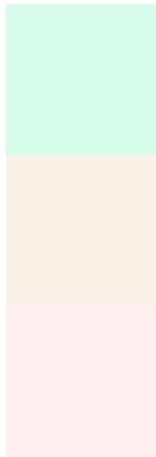


This preview shows how white text looks on a background with the CIELCh color 96, 15.344, 166.162.

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, 15.344, 166.162

Protanopia
96, 6.759, 84.351

Deuteranopia
96, 5.806, 9.558

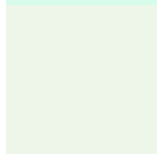


Tritanopia
96, 6.712, 249.205

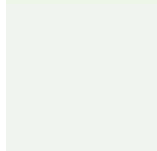
Trichromacy



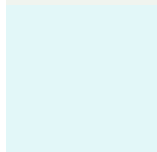
Original Color
96, 15.344, 166.162



Protanomaly
96, 7.868, 133.684



Deuteranomaly
96, 2.930, 138.804



Tritanomaly
96, 7.221, 203.113

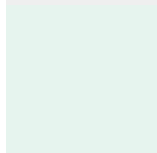
Monochromacy



Original Color
96, 15.344, 166.162



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 5.832, 167.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 15.344, 166.162 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(215, 252, 236)` looks like.

```
.text, #text, p{  
    color:rgb(215, 252, 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(215, 252, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 252, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 15.344, 166.162 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(215, 252, 236) }
```

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

```
.border{ border-color:rgb(215, 252, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 252, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 252, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 252, 236);  
box-shadow:4px 4px 4px 4px rgb(215, 252,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 15.344, 166.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 252, 236) }
```

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

```
.background{ background-color: rgb(215,  
252, 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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