

Converting Colors

CIELCh(96, 5.875, 188.346)

Have a look what the booklet for
CIELCh(96, 5.875, 188.346) contains.

CIELCh(96, 5.998, 189.271)	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, 5.998, 189.271)

Conversions

Conversions Part 1

Format	Color
Hex	E6F7F5
RGB	230, 247, 245
RGB Percent	90%, 97%, 96%
CMY	0.0977, 0.0310, 0.0389
CMYK	0.07, 0.00, 0.01, 0.03
HSL	173°, 52%, 94%
HSV	173°, 7%, 97%
XYZ	82.4411, 90.0078, 99.4818
YIQ	241.6890, -9.4900, -4.2260

Conversions

Conversions Part 2

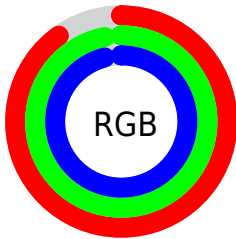
Format	Color
R _Y B	230, 239, 247
Decimal	15136757
CIE Lab	96.00, -5.92, -0.97
CIE LCh	96, 5.998, 189.271
Yxy	90.0078, 0.3032, 0.3310
Android (android.graphics.Color)	4293326837 (0xFFE6F7F5)
YUV	241.6890, 1.6323, -10.2513
Hunter-Lab	94.8724, -10.9160, 4.2401

Details

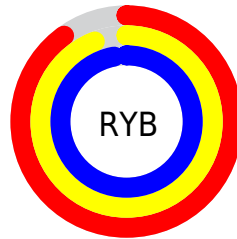
The CIELCh color **96, 5.998, 189.271** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 6.209, 10.190**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 6.275, 189.097** is the 20% darker color. If you saturate the color by 10%, you get **94, 14.433, 188.378**, and if you desaturate by 10%, it is **98, 2.764, 9.725**.

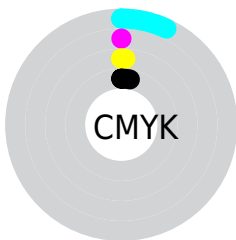
Distribution



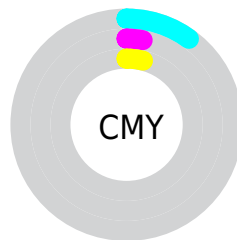
- Red (90%)
- Green (97%)
- Blue (96%)



- Red (90%)
- Yellow (94%)
- Blue (97%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (10%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 5.998, 189.271 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, 5.998, 189.271 by changing the saturation by 10% instead.

96, 5.998, 189.271

96, 5.998, 189.271

100, 5.998,
189.271

86, 5.998, 189.271

76, 5.998, 189.271

66, 5.998, 189.271

56, 5.998, 189.271

46, 5.998, 189.271

36, 5.998, 189.271

26, 5.998, 189.271

16, 5.998, 189.271

6, 5.998, 189.271

96, 5.998, 189.271

96, 5.998, 189.271

94, 14.433,
188.378

98, 2.764, 9.725

93, 22.401,
187.527

98, 3.417, 344.695

92, 29.756,
186.658

98, 4.442, 328.915

90, 36.347,
185.758

98, 4.925, 324.550

90, 42.040,
184.811

89, 46.727,
183.800

88, 50.355,
182.706

88, 52.938,
181.508

 88, 54.585,
180.193

Harmonies

Complementary

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



96, 5.998, 189.271



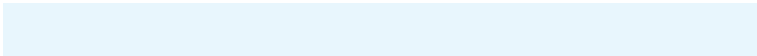
93, 6.209, 10.190

Rectangle

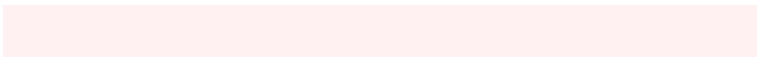
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



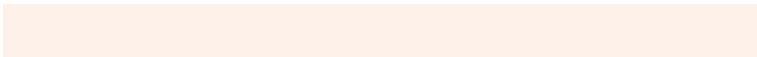
96, 5.998, 189.271



96, 5.998, 239.271



96, 5.998, 9.271



96, 5.998, 59.271

Sweetspot

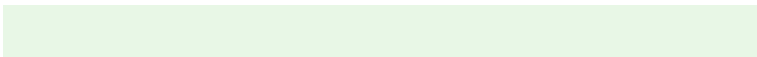
The Sweet Spot groups the original color and five complimentary colors.



96, 6.000, 189.255



100, 1.800, 189.897



96, 10.202, 140.454



53, 1.024, 189.924



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

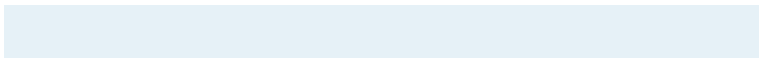
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 6.000, 189.255



99, 7.142, 189.149



94, 4.867, 240.617



50, 4.896, 189.016



68, 44.355, 180.027



21, 19.371, 181.975

Inverse Universe

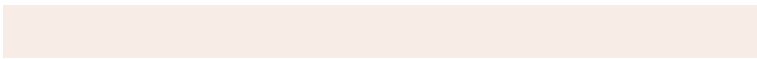
The Inverse Universe completely reimagines the original color for something new.



93, 6.209, 10.190



95, 7.431, 10.307



94, 5.012, 59.083



48, 5.131, 10.458



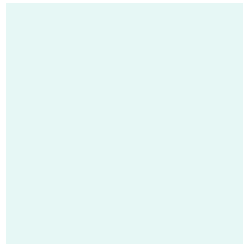
39, 77.451, 34.912



8, 30.349, 20.224

Previews

White Background



This preview shows how the CIE LCh color 96, 5.998, 189.271 looks on a white background.

Color Contrast Check

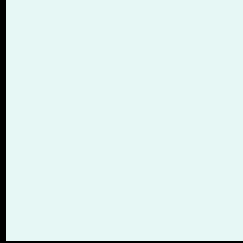
Large Text (above 18pt) WCAG AA × Fail

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, 5.998, 189.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

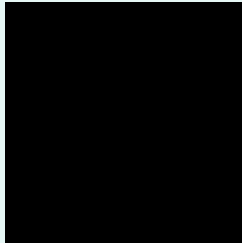
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

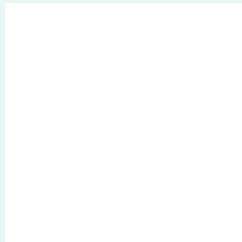
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 5.998, 189.271

Background



This preview shows how black text looks on a background with the CIELCh color 96, 5.998, 189.271.

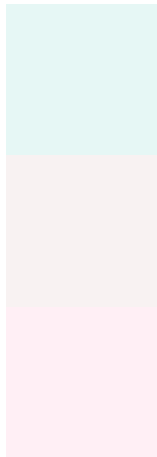


This preview shows how white text looks on a background with the CIELCh color 96, 5.998, 189.271.

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, 5.998, 189.271

Protanopia

96, 2.126, 19.247

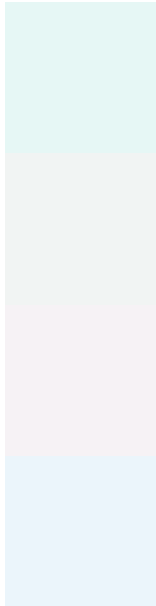
Deuteranopia

96, 6.476, 351.469



Tritanopia
96, 5.971, 270.445

Trichromacy



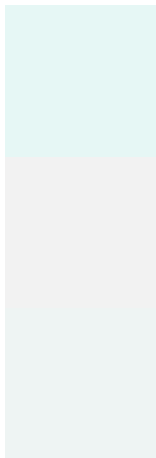
Original Color
96, 5.998, 189.271

Protanomaly
96, 1.172, 174.041

Deuteranomaly
96, 2.106, 332.266

Tritanomaly
96, 4.580, 241.613

Monochromacy



Original Color
96, 5.998, 189.271

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 2.168, 185.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 5.998, 189.271 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(230, 247, 245)` looks like.

```
.text, #text, p{  
    color:rgb(230, 247, 245)  
}
```

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(230, 247, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 247, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 5.998, 189.271 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(230, 247, 245) }
```

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

```
.border{ border-color:rgb(230, 247, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 247, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 247, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 247, 245);  
box-shadow:4px 4px 4px 4px rgb(230, 247,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 5.998, 189.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 247, 245) }
```

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

```
.background{ background-color: rgb(230,  
247, 245) }
```

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