

Converting Colors

CIELCh(97, 4.881, 176.963)

Have a look what the booklet for
CIELCh(97, 4.881, 176.963) contains.

CIELCh(97, 4.798, 180.583)	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(97, 4.798, 180.583)

Conversions

Conversions Part 1

Format	Color
Hex	ECF9F6
RGB	236, 249, 246
RGB Percent	93%, 98%, 96%
CMY	0.0736, 0.0226, 0.0344
CMYK	0.05, 0.00, 0.01, 0.02
HSL	166°, 53%, 95%
HSV	166°, 5%, 98%
XYZ	85.2908, 92.4403, 100.7275
YIQ	244.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

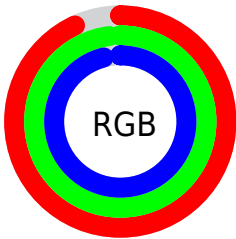
Format	Color
R _Y B	236, 243, 249
Decimal	15530486
CIE Lab	97.00, -4.80, -0.05
CIE LCh	97, 4.798, 180.583
Yxy	92.4403, 0.3063, 0.3320
Android (android.graphics.Color)	4293720566 (0xFFE9CF9F6)
YUV	244.7710, 0.6059, -7.6922
Hunter-Lab	96.1459, -9.9082, 5.1868

Details

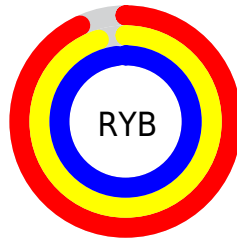
The CIELCh color **97, 4.798, 180.583** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 4.897, 1.282**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 5.028, 180.427** is the 20% darker color. If you saturate the color by 10%, you get **95, 13.843, 179.543**, and if you desaturate by 10%, it is **99, 2.478, 344.824**.

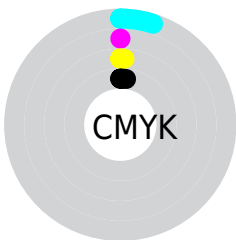
Distribution



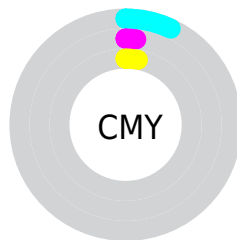
- Red (93%)
- Green (98%)
- Blue (96%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 4.798, 180.583 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 97, 4.798, 180.583 by changing the saturation by 10% instead.

 97, 4.798, 180.583

 97, 4.798, 180.583

 100, 4.798,
180.583

 87, 4.798, 180.583

 77, 4.798, 180.583

 67, 4.798, 180.583

 57, 4.798, 180.583

 47, 4.798, 180.583

 37, 4.798, 180.583

 27, 4.798, 180.583

 17, 4.798, 180.583

 7, 4.798, 180.583

97, 4.798, 180.583

97, 4.798, 180.583

95, 13.843,
179.543

99, 2.478, 344.824

99, 3.584, 324.480

94, 22.556,
178.526

92, 30.790,
177.447


91, 38.387,
176.283

90, 45.194,
175.011

89, 51.081,
173.606

89, 55.963,
172.044

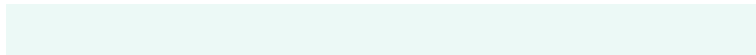
88, 59.827,
170.303

 88, 62.750,
168.376

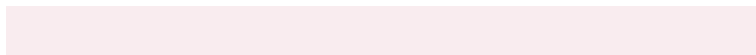
Harmonies

Complementary

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



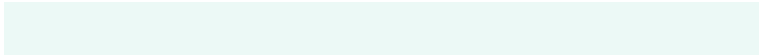
97, 4.798, 180.583



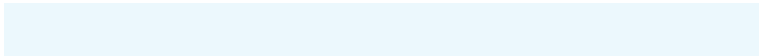
95, 4.897, 1.282

Rectangle

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



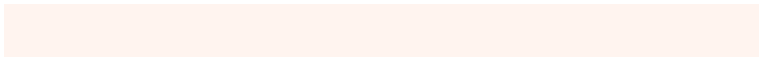
97, 4.798, 180.583



97, 4.798, 230.583



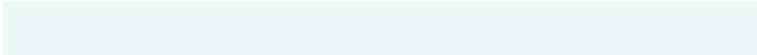
97, 4.798, 0.583



97, 4.798, 50.583

Sweetspot

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



97, 4.800, 180.565



100, 1.876, 181.055



97, 7.547, 137.607



53, 1.067, 181.081



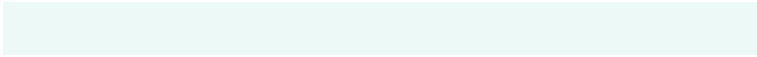
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

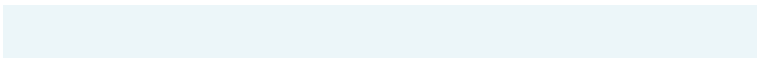
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 4.800, 180.565



99, 5.619, 180.477



96, 3.724, 227.909



52, 3.664, 180.408



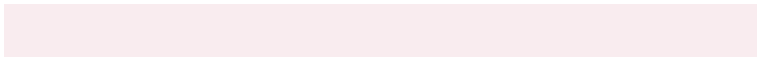
68, 51.607, 167.789



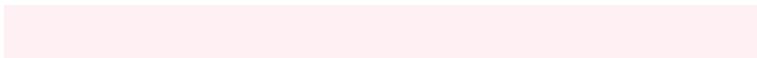
22, 22.494, 170.622

Inverse Universe

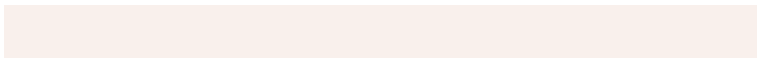
The Inverse Universe completely reimagines the original color for something new.



95, 4.897, 1.282



96, 5.747, 1.374



95, 3.830, 47.019



50, 3.755, 1.447



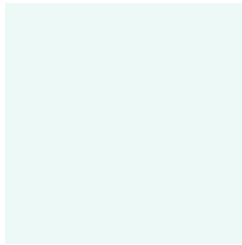
40, 72.706, 27.126



9, 30.844, 16.188

Previews

White Background



This preview shows how the CIELCh color 97, 4.798, 180.583 looks on a white background.

Color Contrast Check

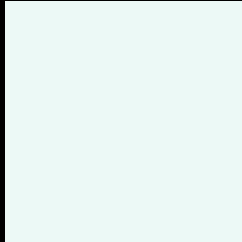
Large Text (above 18pt) WCAG AA × Fail

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 97, 4.798, 180.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

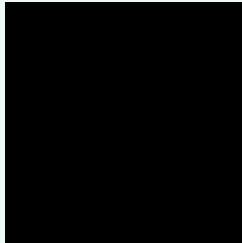
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

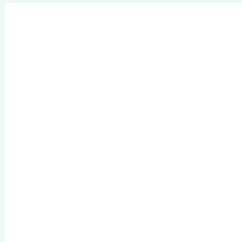
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 4.798, 180.583

Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.798, 180.583.

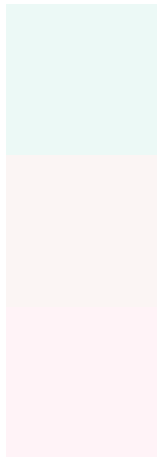


This preview shows how white text looks on a background with the CIELCh color 97, 4.798, 180.583.

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

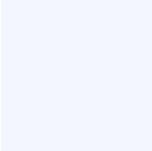
97, 4.798, 180.583

Protanopia

97, 2.177, 32.788

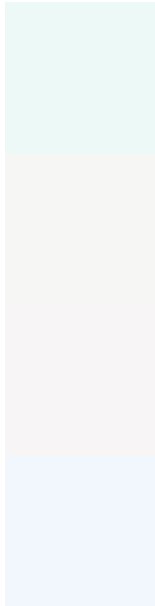
Deuteranopia

97, 4.729, 354.009



Tritanopia
97, 4.708, 277.847

Trichromacy



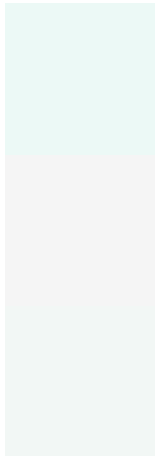
Original Color
97, 4.798, 180.583

Protanomaly
97, 1.073, 129.162

Deuteranomaly
97, 1.486, 335.475

Tritanomaly
97, 3.272, 251.005

Monochromacy



Original Color
97, 4.798, 180.583

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 2.035, 169.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 4.798, 180.583 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(236, 249, 246)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 246)  
}
```

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(236, 249, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 4.798, 180.583 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(236, 249, 246) }
```

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

```
.border{ border-color:rgb(236, 249, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 249, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 249, 246);  
box-shadow:4px 4px 4px 4px rgb(236, 249,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 4.798, 180.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 246) }
```

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

```
.background{ background-color: rgb(236,  
249, 246) }
```

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