

Converting Colors

CIELCh(97, 6.431, 120.248)

Have a look what the booklet for
CIELCh(97, 6.431, 120.248) contains.

CIELCh(97, 6.212, 119.616)	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, 6.212, 119.616)

Conversions

Conversions Part 1

Format	Color
Hex	F5F8EC
RGB	245, 248, 236
RGB Percent	96%, 97%, 93%
CMY	0.0400, 0.0282, 0.0752
CMYK	0.01, 0.00, 0.05, 0.03
HSL	75°, 46%, 95%
HSV	75°, 5%, 97%
XYZ	86.2109, 92.4403, 92.5117
YIQ	245.7350, 2.0640, -4.3680

Conversions

Conversions Part 2

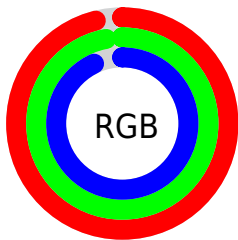
Format	Color
R _Y B	236, 248, 239
Decimal	16120044
CIE Lab	97.00, -3.07, 5.40
CIE LCh	97, 6.212, 119.616
Yxy	92.4403, 0.3179, 0.3409
Android (android.graphics.Color)	4294310124 (0xFFFF5F8EC)
YUV	245.7350, -4.7994, -0.6446
Hunter-Lab	96.1459, -8.2002, 10.2532

Details

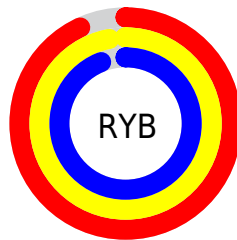
The CIELCh color **97, 6.212, 119.616** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 6.294, 300.222**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 6.520, 119.532** is the 20% darker color. If you saturate the color by 10%, you get **96, 19.043, 118.990**, and if you desaturate by 10%, it is **98, 3.856, 307.230**.

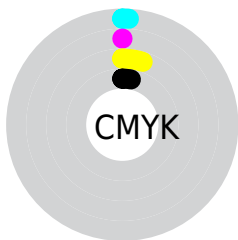
Distribution



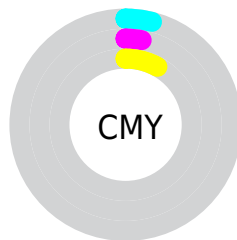
- Red (96%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (97%)
- Blue (94%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)





- Cyan (4%)
- Magenta (3%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 6.212, 119.616 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, 6.212, 119.616 by changing the saturation by 10% instead.

 97, 6.212, 119.616

 97, 6.212, 119.616

 100, 6.212,
119.616

 87, 6.212, 119.616

 77, 6.212, 119.616

 67, 6.212, 119.616

 57, 6.212, 119.616

 47, 6.212, 119.616

 37, 6.212, 119.616

 27, 6.212, 119.616

 17, 6.212, 119.616

 7, 6.212, 119.616

97, 6.212, 119.616

97, 6.212, 119.616

96, 19.043,
118.990

98, 3.856, 307.230

98, 4.473, 324.528

95, 31.768,
118.347

94, 44.268,
117.715


93, 56.366,
117.125

93, 67.793,
116.624

92, 78.153,
116.278

92, 86.911,
116.181

91, 93.475,
116.437

 91, 97.449,
117.133

Harmonies

Complementary

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



97, 6.212, 119.616



94, 6.294, 300.222

Rectangle

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



97, 6.212, 119.616



97, 6.212, 169.616



97, 6.212, 299.616



97, 6.212, 349.616

Sweetspot

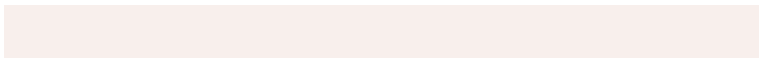
The Sweet Spot groups the original color and five complimentary colors.



97, 6.214, 119.627



100, 1.304, 119.887



95, 3.552, 45.030



53, 0.741, 119.892



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, 6.214, 119.627



99, 7.882, 119.553



97, 6.936, 137.118



52, 5.142, 119.513



71, 80.347, 117.408



23, 35.350, 116.290

Inverse Universe

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



94, 6.294, 300.222



95, 7.994, 300.301



94, 6.976, 317.469



49, 5.221, 300.344



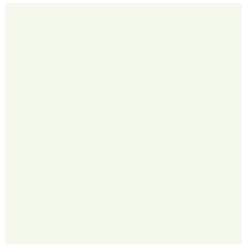
25, 104.398, 307.727



4, 42.698, 306.052

Previews

White Background



This preview shows how the CIE LCh color 97, 6.212, 119.616 looks on a white background.

Color Contrast Check

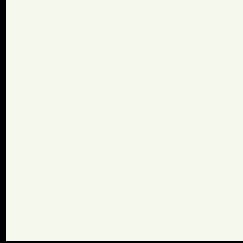
Large Text (above 18pt) WCAG AA × Fail

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, 6.212, 119.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

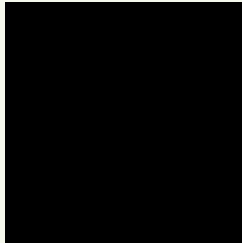
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

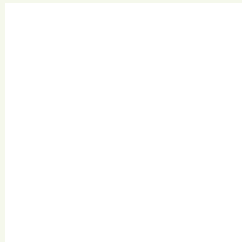
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 6.212, 119.616

Background



This preview shows how black text looks on a background with the CIELCh color 97, 6.212, 119.616.

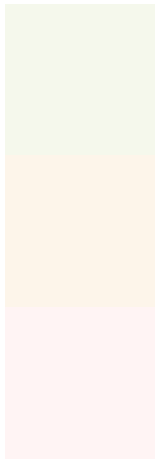


This preview shows how white text looks on a background with the CIELCh color 97, 6.212, 119.616.

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, 6.212, 119.616

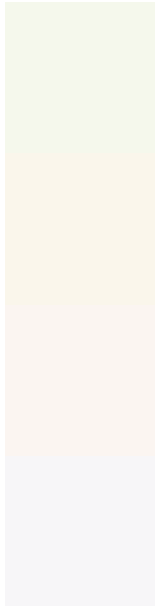
Protanopia
97, 6.283, 82.444

Deuteranopia
97, 3.905, 19.499



Tritanopia
97, 5.242, 302.017

Trichromacy



Original Color
97, 6.212, 119.616

Protanomaly
97, 5.771, 95.339

Deuteranomaly
97, 2.932, 63.309

Tritanomaly
97, 1.096, 308.977

Monochromacy



Original Color
97, 6.212, 119.616

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 2.569, 117.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 6.212, 119.616 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(245, 248, 236)` looks like.

```
.text, #text, p{  
    color:rgb(245, 248, 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(245, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 248, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 6.212, 119.616 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(245, 248, 236) }
```

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

```
.border{ border-color:rgb(245, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 248, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 248, 236); box-shadow:4px 4px 4px 4px rgb(245, 248, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 6.212, 119.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 248, 236) }
```

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

```
.background{ background-color: rgb(245,  
248, 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](#).

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