

Converting Colors

CIELCh(97, 49.002, 115.641)

Have a look what the booklet for
CIELCh(97, 49.002, 115.641)
contains.

CIELCh(97, 48.464, 115.311)	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, 48.464, 115.311)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFA0
RGB	237, 255, 160
RGB Percent	93%, 100%, 63%
CMY	0.0718, 0.0000, 0.3739
CMYK	0.07, 0.00, 0.37, 0.00
HSL	72°, 100%, 81%
HSV	72°, 37%, 100%
XYZ	77.1191, 92.4403, 46.8749
YIQ	238.7880, 19.7670, -33.3610

Conversions

Conversions Part 2

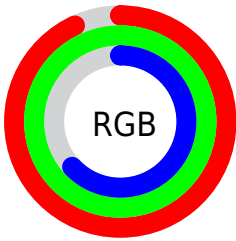
Format	Color
RYB	160, 255, 178
Decimal	15597472
CIELab	97.00, -20.72, 43.81
CIELCh	97, 48.464, 115.311
Yxy	92.4403, 0.3563, 0.4271
Android (android.graphics.Color)	4293787552 (0xFFEDFFA0)
YUV	238.7880, -38.8425, -1.5681
Hunter-Lab	96.1459, -25.0796, 38.3959

Details

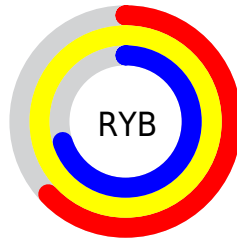
The CIELCh color **97, 48.464, 115.311** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 52.573, 301.057**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 19.713, 108.686**, and **77, 47.740, 114.819** is the 20% darker color. If you saturate the color by 10%, you get **96, 60.215, 114.434**, and if you desaturate by 10%, it is **98, 35.524, 115.762**.

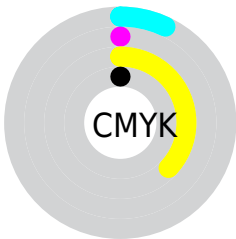
Distribution



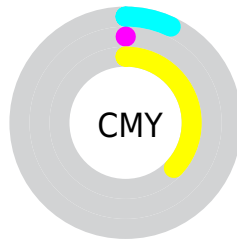
- Red (93%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (70%)



- Cyan (7%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 48.464, 115.311 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, 48.464, 115.311 by changing the saturation by 10% instead.


 97, 48.464,
115.311


 97, 48.464,
115.311


 100, 48.464,
115.311


 87, 48.464,
115.311

 77, 48.464,
115.311

 67, 48.464,
115.311

 57, 48.464,
115.311

 47, 48.464,
115.311

 37, 48.464,
115.311

 27, 48.464,

115.311

■ 17, 48.464,
115.311

■ 7, 48.464, 115.311

■ 97, 48.464,
115.311

■ 97, 48.464,
115.311

■ 96, 60.215,
114.434

■ 98, 35.524,
115.762

■ 96, 71.524,
113.895

■ 98, 22.657,
116.470

■ 95, 81.591,
113.523

■ 99, 9.645, 117.175

■ 95, 89.830,
113.406

100, 0.012,
296.813

■ 94, 95.649,
113.637

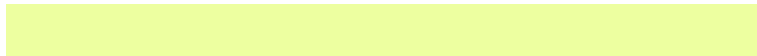
■ 94, 98.787,
114.271

■ 94, 99.355,
114.473

Harmonies

Complementary

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



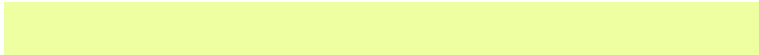
97, 48.464, 115.311



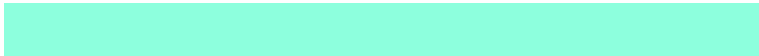
71, 52.573, 301.057

Rectangle

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



97, 48.464, 115.311



97, 48.464, 165.311



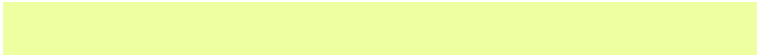
97, 48.464, 295.311



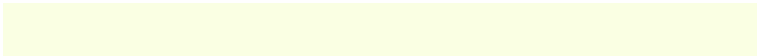
97, 48.464, 345.311

Sweetspot

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



97, 48.111, 115.072



99, 14.351, 116.922



79, 33.269, 37.799



53, 9.640, 116.827



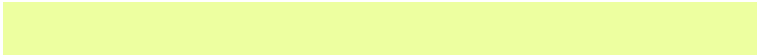
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

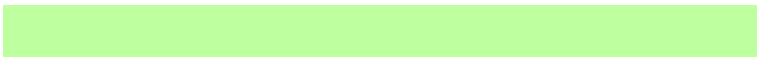
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 48.111, 115.072



96, 57.378, 114.579



94, 53.898, 133.365



53, 7.418, 117.027



72, 79.963, 114.288



25, 36.128, 113.313

Inverse Universe

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



71, 52.573, 301.057



65, 64.146, 301.961



75, 55.547, 316.822



49, 7.576, 298.379



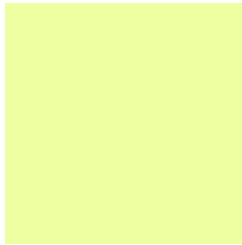
24, 106.289, 307.176



4, 44.542, 305.392

Previews

White Background



This preview shows how the CIE LCh color 97, 48.464, 115.311 looks on a white background.

Color Contrast Check

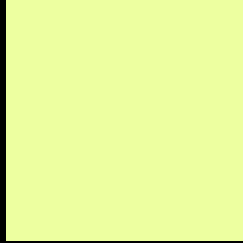
Large Text (above 18pt) WCAG AA × Fail

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 97, 48.464, 115.311 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, 48.464, 115.311

Background



This preview shows how black text looks on a background with the CIELCh color 97, 48.464, 115.311.

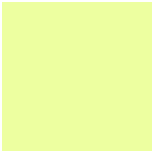
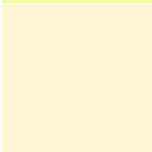
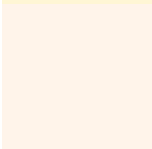



This preview shows how white text looks on a background with the CIELCh color 97, 48.464, 115.311.

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, 47.927, 114.973
	Protanopia 97, 17.115, 97.593
	Deuteranopia 97, 6.439, 71.741

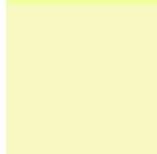


Tritanopia
97, 5.825, 304.381

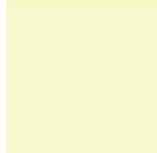
Trichromacy



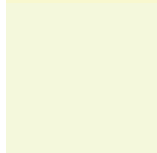
Original Color
97, 47.927, 114.973



Protanomaly
97, 27.858, 108.803



Deuteranomaly
97, 20.826, 108.567

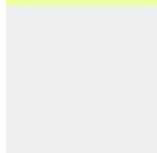


Tritanomaly
97, 14.334, 114.926

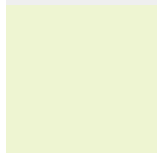
Monochromacy



Original Color
97, 47.927, 114.973



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 18.048, 117.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 48.464, 115.311 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, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 160)  
}
```

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, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 48.464, 115.311 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, 255, 160) }
```

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

```
.border{ border-color:rgb(237, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 48.464, 115.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 160) }
```

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

```
.background{ background-color: rgb(237,  
255, 160) }
```

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