

Converting Colors

CIELCh(97, 48.114, 113.478)

Have a look what the booklet for
CIELCh(97, 48.114, 113.478)
contains.

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Color

CIElCh(97, 48.232, 113.503)

Conversions

Conversions Part 1

Format	Color
Hex	F0FF9F
RGB	240, 255, 159
RGB Percent	94%, 100%, 62%
CMY	0.0593, 0.0005, 0.3769
CMYK	0.06, 0.00, 0.38, 0.00
HSL	69°, 100%, 81%
HSV	69°, 38%, 100%
XYZ	77.8582, 92.4403, 46.4856
YIQ	239.5710, 21.8760, -33.0360

Conversions

Conversions Part 2

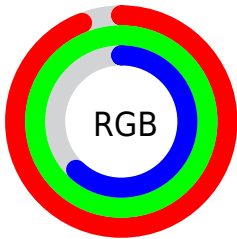
Format	Color
R_{YB}	159, 255, 174
Decimal	15794079
CIE Lab	97.00, -19.23, 44.23
CIE LCh	97, 48.232, 113.503
Yxy	92.4403, 0.3592, 0.4264
Android (android.graphics.Color)	4293984159 (0xFFFF0FF9F)
YUV	239.5710, -39.7215, 0.3762
Hunter-Lab	96.1459, -23.7074, 38.6360

Details

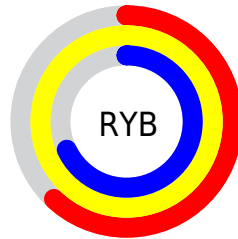
The CIELCh color **97, 48.232, 113.503** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 52.882, 299.972**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 20.216, 108.647**, and **77, 48.024, 113.246** is the 20% darker color. If you saturate the color by 10%, you get **96, 60.252, 112.824**, and if you desaturate by 10%, it is **98, 35.720, 114.239**.

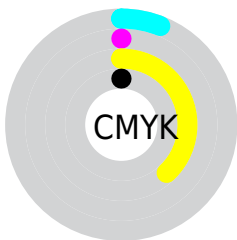
Distribution



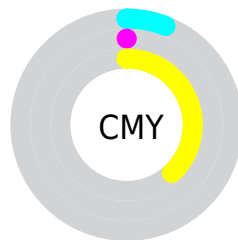
- Red (94%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 48.232, 113.503 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, 48.232, 113.503 by changing the saturation by 10% instead.

 97, 48.232,
113.503

 97, 48.232,
113.503

 100, 48.232,
113.503

 87, 48.232,
113.503

 77, 48.232,
113.503

 67, 48.232,
113.503

 57, 48.232,
113.503

 47, 48.232,
113.503

 37, 48.232,
113.503

 27, 48.232,

113.503

■ 17, 48.232,
113.503

■ 7, 48.232, 113.503

■ 97, 48.232,
113.503

■ 97, 48.232,
113.503

■ 96, 60.252,
112.824

■ 98, 35.720,
114.239

■ 96, 71.459,
112.239

■ 98, 22.917,
114.991

■ 95, 81.399,
111.815

■ 99, 9.962, 115.740

■ 95, 89.482,
111.632

100, 0.086,
320.823

■ 95, 95.115,
111.773

■ 94, 98.063,
112.286

■ 94, 98.541,
112.434

Harmonies

Complementary

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



97, 48.232, 113.503



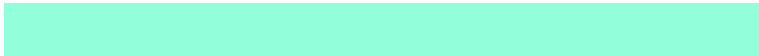
70, 52.882, 299.972

Rectangle

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



97, 48.232, 113.503



97, 48.232, 163.503



97, 48.232, 293.503



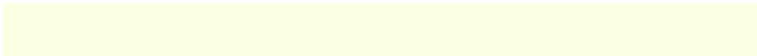
97, 48.232, 343.503

Sweetspot

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



97, 48.234, 113.506



99, 14.301, 115.492



78, 34.296, 34.775



53, 9.607, 115.390



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

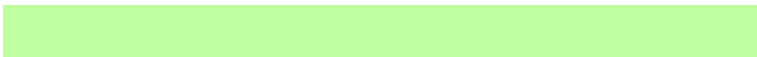
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 48.234, 113.506



97, 57.137, 112.998



94, 53.724, 132.319



53, 7.393, 115.603



73, 79.355, 112.279



25, 35.920, 111.476

Inverse Universe

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



70, 52.882, 299.972



64, 64.091, 300.925



74, 55.616, 315.777



49, 7.554, 297.049



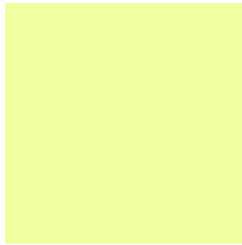
24, 106.707, 306.916



4, 44.473, 304.737

Previews

White Background



This preview shows how the CIE LCh color 97, 48.232, 113.503 looks on a white background.

Color Contrast Check

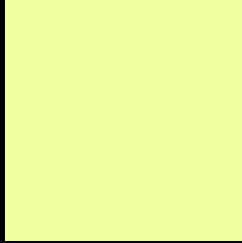
Large Text (above 18pt) WCAG AA × Fail

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, 48.232, 113.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

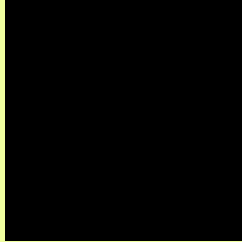
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 48.232, 113.503

Background



This preview shows how black text looks on a background with the CIELCh color 97, 48.232, 113.503.

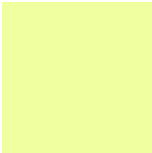
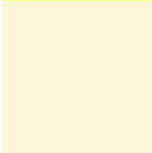
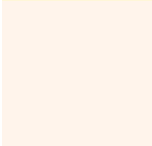



This preview shows how white text looks on a background with the CIELCh color 97, 48.232, 113.503.

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, 48.232, 113.503
	Protanopia 97, 15.619, 96.669
	Deuteranopia 97, 6.040, 68.836

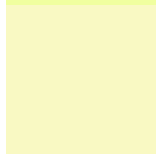


Tritanopia
97, 6.036, 310.798

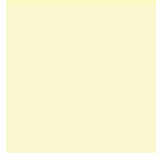
Trichromacy



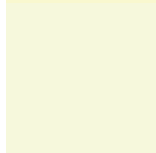
Original Color
97, 48.232, 113.503



Protanomaly
97, 27.352, 108.062



Deuteranomaly
97, 20.826, 107.540

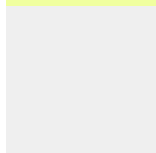


Tritanomaly
97, 14.269, 112.016

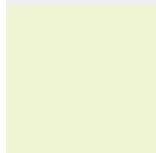
Monochromacy



Original Color
97, 48.232, 113.503



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 17.994, 115.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 48.232, 113.503 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(240, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 159)  
}
```

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(240, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 48.232, 113.503 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(240, 255, 159) }
```

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

```
.border{ border-color:rgb(240, 255, 159) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 48.232, 113.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 159) }
```

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

```
.background{ background-color: rgb(240,  
255, 159) }
```

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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