

Converting Colors

CIELCh(97, 47.717, 85.846)

Have a look what the booklet for
CIELCh(97, 47.717, 85.846) contains.

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Color

CIELCh(95, 44.762, 99.442)

Conversions

Conversions Part 1

Format	Color
Hex	FFF29A
RGB	255, 242, 154
RGB Percent	100%, 95%, 60%
CMY	0.0000, 0.0494, 0.3948
CMYK	0.00, 0.05, 0.39, 0.00
HSL	52°, 100%, 80%
HSV	52°, 39%, 100%
XYZ	79.5027, 87.6183, 43.4314
YIQ	235.8550, 35.9960, -24.6120

Conversions

Conversions Part 2

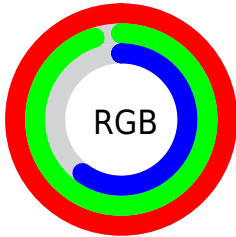
Format	Color
R _Y B	169, 255, 154
Decimal	16773786
CIE Lab	95.00, -7.34, 44.16
CIE LCh	95, 44.762, 99.442
Yxy	87.6183, 0.3776, 0.4161
Android (android.graphics.Color)	4294963866 (0xFFFFF29A)
YUV	235.8550, -40.3545, 16.7902
Hunter-Lab	93.6047, -12.2000, 38.0135

Details

The CIELCh color **95, 44.762, 99.442** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 48.143, 290.369**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **75, 44.826, 99.826** is the 20% darker color. If you saturate the color by 10%, you get **94, 55.522, 99.063**, and if you desaturate by 10%, it is **96, 33.509, 101.311**.

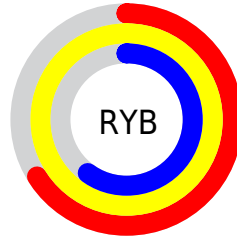
Distribution



Red (100%)

Green (95%)

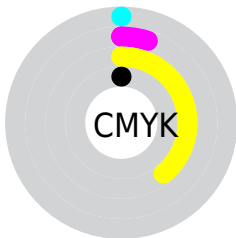
Blue (60%)



Red (66%)

Yellow (100%)

Blue (60%)

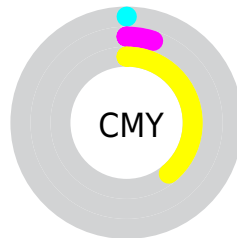


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 44.762, 99.442 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 95, 44.762, 99.442 by changing the saturation by 10% instead.

 95, 44.762, 99.442

 95, 44.762, 99.442

 100, 44.762,
99.442

 85, 44.762, 99.442

 75, 44.762, 99.442

 65, 44.762, 99.442

 55, 44.762, 99.442

 45, 44.762, 99.442

 35, 44.762, 99.442

 25, 44.762, 99.442

 15, 44.762, 99.442

 5, 44.762, 99.442

95, 44.762, 99.442

95, 44.762, 99.442

94, 55.522, 99.063

96, 33.509,
101.311

93, 65.705, 97.963

97, 22.169,
102.429

92, 74.760, 96.898

91, 82.020, 95.877

99, 10.778,
103.523

90, 86.745, 94.894

100, 0.012,
296.813

89, 88.709, 93.923

89, 88.781, 93.872

Harmonies

Complementary

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



95, 44.762, 99.442



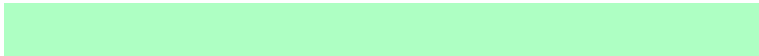
71, 48.143, 290.369

Rectangle

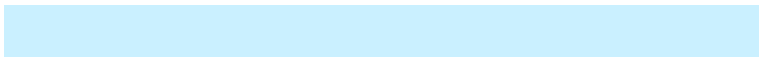
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 44.762, 99.442



95, 44.762, 149.442



95, 44.762, 279.442



95, 44.762, 329.442

Sweetspot

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



95, 44.688, 100.184



98, 13.645, 103.251



74, 40.173, 13.255



52, 9.053, 103.109



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

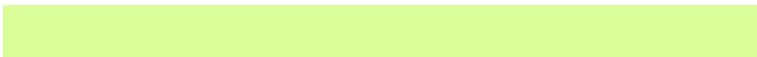
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 44.688, 100.184



94, 52.878, 99.340



95, 52.244, 122.185



53, 6.462, 103.521



69, 71.602, 94.043



23, 32.216, 95.378

Inverse Universe

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



71, 48.143, 290.369



65, 58.150, 291.939



71, 56.357, 306.799



49, 6.569, 285.651



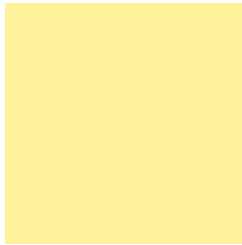
25, 101.129, 304.505



5, 40.146, 299.436

Previews

White Background



This preview shows how the CIE LCh color 95, 44.762, 99.442 looks on a white background.

Color Contrast Check

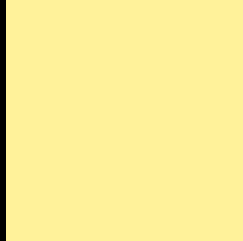
Large Text (above 18pt) WCAG AA × Fail

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 95, 44.762, 99.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

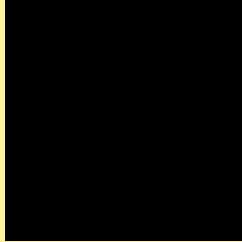
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 44.762, 99.442

Background



This preview shows how black text looks on a background with the CIELCh color 95, 44.762, 99.442.

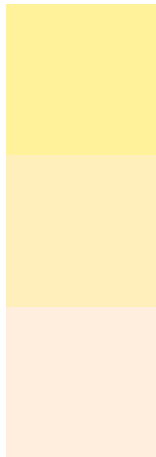


This preview shows how white text looks on a background with the CIELCh color 95, 44.762, 99.442.

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


95, 44.680, 99.970

Protanopia

95, 27.642, 95.945

Deuteranopia

95, 10.532, 70.536

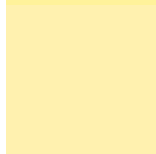


Tritanopia
95, 8.787, 344.253

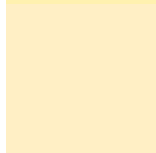
Trichromacy



Original Color
95, 44.680, 99.970



Protanomaly
95, 33.986, 98.238



Deuteranomaly
95, 22.318, 92.621

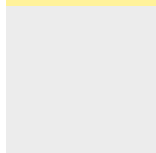


Tritanomaly
95, 14.744, 83.640

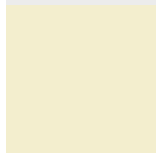
Monochromacy



Original Color
95, 44.680, 99.970



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 16.489, 102.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 44.762, 99.442 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(255, 242, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 154)  
}
```

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(255, 242, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 44.762, 99.442 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(255, 242, 154) }
```

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

```
.border{ border-color:rgb(255, 242, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 44.762, 99.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 154) }
```

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

```
.background{ background-color: rgb(255,  
242, 154) }
```

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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