

Converting Colors

CIELCh(95, 44.848, 99.563)

Have a look what the booklet for
CIELCh(95, 44.848, 99.563) contains.

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Color

CIELCh(95, 44.680, 99.970)

Conversions

Conversions Part 1

Format	Color
Hex	FFF39B
RGB	255, 243, 155
RGB Percent	100%, 95%, 61%
CMY	0.0000, 0.0485, 0.3937
CMYK	0.00, 0.05, 0.39, 0.00
HSL	53°, 100%, 80%
HSV	53°, 39%, 100%
XYZ	79.3042, 87.6183, 43.5645
YIQ	236.5560, 35.4000, -24.8240

Conversions

Conversions Part 2

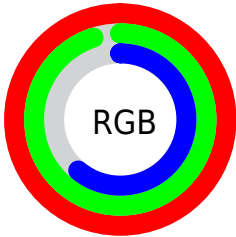
Format	Color
R _Y B	169, 255, 155
Decimal	16774043
CIE Lab	95.00, -7.74, 44.01
CIE LCh	95, 44.680, 99.970
Yxy	87.6183, 0.3768, 0.4163
Android (android.graphics.Color)	4294964123 (0xFFFFF39B)
YUV	236.5560, -40.2071, 16.1754
Hunter-Lab	93.6047, -12.5785, 37.9291

Details

The CIELCh color **95, 44.680, 99.970** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 48.114, 290.442**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **75, 44.747, 100.398** is the 20% darker color. If you saturate the color by 10%, you get **94, 55.502, 99.191**, and if you desaturate by 10%, it is **96, 33.449, 101.432**.

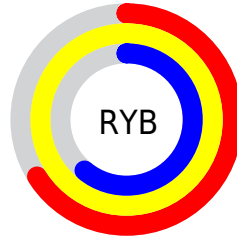
Distribution



Red (100%)

Green (95%)

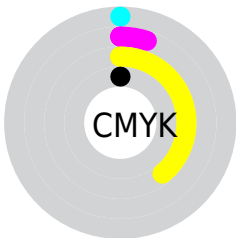
Blue (61%)



Red (66%)

Yellow (100%)

Blue (61%)

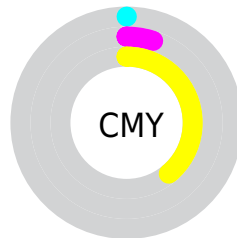


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 44.680, 99.970 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, 44.680, 99.970 by changing the saturation by 10% instead.

 95, 44.680, 99.970

 95, 44.680, 99.970

 100, 44.680,
99.970

 85, 44.680, 99.970

 75, 44.680, 99.970

 65, 44.680, 99.970

 55, 44.680, 99.970

 45, 44.680, 99.970

 35, 44.680, 99.970

 25, 44.680, 99.970

 15, 44.680, 99.970

 5, 44.680, 99.970

95, 44.680, 99.970

95, 44.680, 99.970

94, 55.502, 99.191

96, 33.449,
101.432

93, 65.704, 98.095

97, 22.088,
102.548

92, 74.780, 97.035

91, 82.063, 96.022

99, 10.675,
103.640

90, 86.818, 95.050

100, 0.012,
296.813

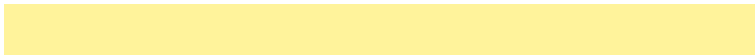
89, 88.804, 94.093

89, 88.890, 94.033

Harmonies

Complementary

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



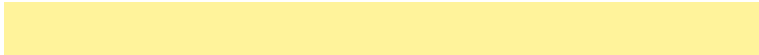
95, 44.680, 99.970



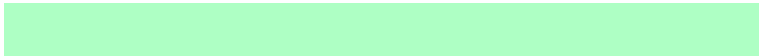
71, 48.114, 290.442

Rectangle

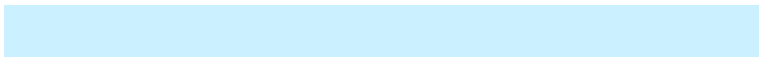
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 44.680, 99.970



95, 44.680, 149.970



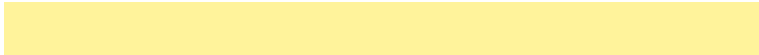
95, 44.680, 279.970



95, 44.680, 329.970

Sweetspot

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



95, 44.649, 100.309



98, 13.674, 103.356



74, 40.052, 13.235



52, 9.071, 103.214



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

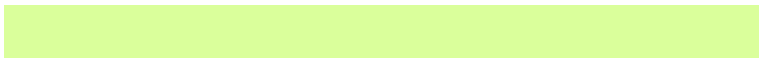
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 44.649, 100.309



94, 52.971, 99.455



95, 52.104, 122.191



53, 6.475, 103.625



69, 71.689, 94.201



23, 32.266, 95.515

Inverse Universe

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



71, 48.114, 290.442



65, 58.292, 292.031



71, 56.192, 306.791



49, 6.583, 285.752



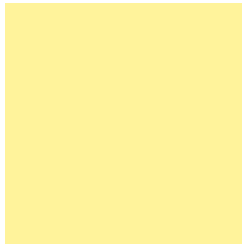
25, 101.279, 304.548



5, 40.211, 299.479

Previews

White Background



This preview shows how the CIE LCh color 95, 44.680, 99.970 looks on a white background.

Color Contrast Check

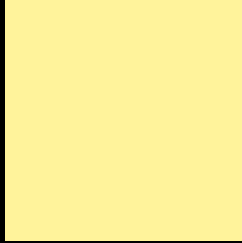
Large Text (above 18pt) WCAG AA × Fail

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, 44.680, 99.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

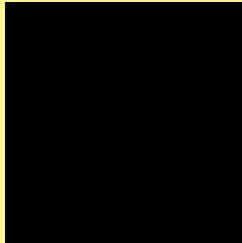
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 44.680, 99.970

Background



This preview shows how black text looks on a background with the CIELCh color 95, 44.680, 99.970.

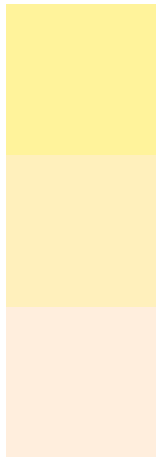


This preview shows how white text looks on a background with the CIELCh color 95, 44.680, 99.970.

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, 44.602, 100.499

Protanopia

95, 27.146, 95.777

Deuteranopia

95, 10.710, 73.734



Tritanopia
95, 8.787, 344.253

Trichromacy



Original Color
95, 44.602, 100.499



Protanomaly
95, 33.492, 98.151



Deuteranomaly
95, 22.690, 93.854

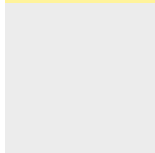


Tritanomaly
95, 14.744, 83.640

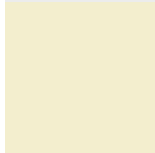
Monochromacy



Original Color
95, 44.602, 100.499



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, 44.680, 99.970 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, 243, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 155)  
}
```

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, 243, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 44.680, 99.970 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, 243, 155) }
```

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

```
.border{ border-color:rgb(255, 243, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 44.680, 99.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 155) }
```

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

```
.background{ background-color: rgb(255,  
243, 155) }
```

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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