

Converting Colors

CIELCh(100, 49.298, 70.767)

Have a look what the booklet for
CIELCh(100, 49.298, 70.767)
contains.

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Color

CIELCh(95, 38.913, 98.929)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2A6
RGB	255, 242, 166
RGB Percent	100%, 95%, 65%
CMY	0.0000, 0.0514, 0.3496
CMYK	0.00, 0.05, 0.35, 0.00
HSL	51°, 100%, 83%
HSV	51°, 35%, 100%
XYZ	80.1644, 87.6183, 48.6873
YIQ	237.2230, 32.1440, -20.8800

Conversions

Conversions Part 2

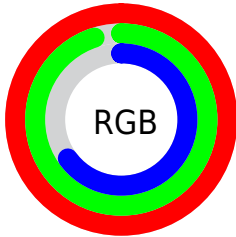
Format	Color
R _Y B	181, 255, 166
Decimal	16773798
CIE Lab	95.00, -6.04, 38.44
CIE LCh	95, 38.913, 98.929
Yxy	87.6183, 0.3703, 0.4048
Android (android.graphics.Color)	4294963878 (0xFFFFF2A6)
YUV	237.2230, -35.1129, 15.5904
Hunter-Lab	93.6047, -10.9381, 34.6843

Details

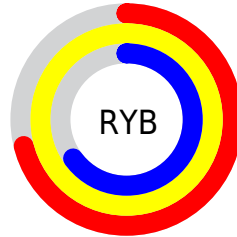
The CIELCh color **95, 38.913, 98.929** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **75, 41.183, 288.439**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 16.691, 108.916**, and **75, 38.869, 99.573** is the 20% darker color. If you saturate the color by 10%, you get **94, 49.714, 98.303**, and if you desaturate by 10%, it is **96, 27.792, 100.617**.

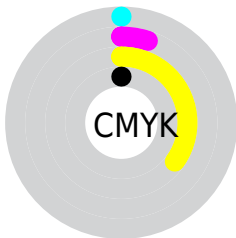
Distribution



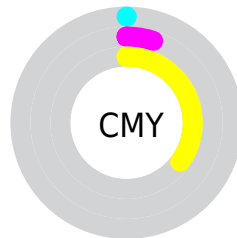
- Red (100%)
- Green (95%)
- Blue (65%)



- Red (71%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (5%)
- Yellow (35%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 38.913, 98.929 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, 38.913, 98.929 by changing the saturation by 10% instead.

 95, 38.913, 98.929

 95, 38.913, 98.929

 100, 38.913,
98.929

 85, 38.913, 98.929

 75, 38.913, 98.929

 65, 38.913, 98.929

 55, 38.913, 98.929

 45, 38.913, 98.929

 35, 38.913, 98.929

 25, 38.913, 98.929

 15, 38.913, 98.929

 5, 38.913, 98.929

95, 38.913, 98.929

95, 38.913, 98.929

94, 49.714, 98.303

96, 27.792,
100.617

92, 60.115, 97.147

98, 16.646,
101.751

91, 69.681, 96.008

90, 77.829, 94.890

99, 5.503, 102.843

89, 83.804, 93.786

100, 0.012,
296.813

88, 86.944, 92.667

88, 87.640, 92.088

Harmonies

Complementary

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



95, 38.913, 98.929



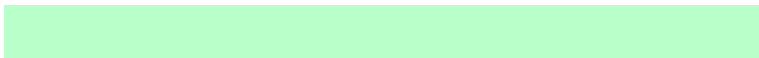
75, 41.183, 288.439

Rectangle

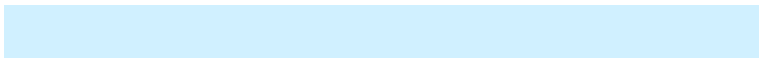
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 38.913, 98.929



95, 38.913, 148.929



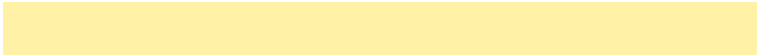
95, 38.913, 278.929



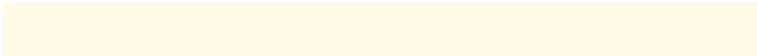
95, 38.913, 328.929

Sweetspot

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



95, 38.861, 99.464



98, 11.111, 102.302



77, 35.238, 11.207



52, 7.584, 102.147



0, 0.000, 0.000



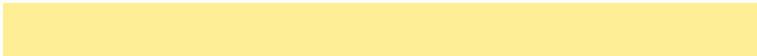
53, 0.007, 296.813

Same Dimension

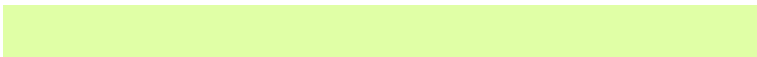
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 38.861, 99.464



94, 46.532, 98.647



96, 46.276, 121.762



53, 6.316, 102.356



68, 70.691, 92.296



23, 31.682, 93.850

Inverse Universe

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



75, 41.183, 288.439



69, 50.118, 289.830



74, 49.511, 305.917



49, 6.412, 284.526



26, 99.393, 304.006



5, 39.449, 298.958

Previews

White Background



This preview shows how the CIE LCh color 95, 38.913, 98.929 looks on a white background.

Color Contrast Check

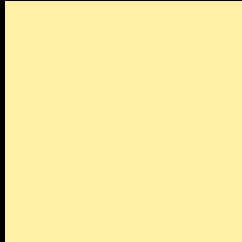
Large Text (above 18pt) WCAG AA × Fail

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, 38.913, 98.929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

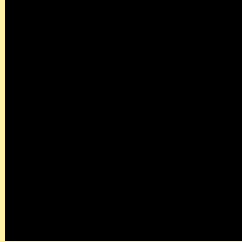
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 38.913, 98.929

Background



This preview shows how black text looks on a background with the CIELCh color 95, 38.913, 98.929.

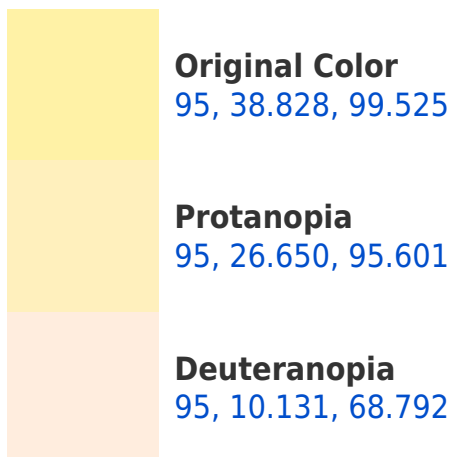



This preview shows how white text looks on a background with the CIELCh color 95, 38.913, 98.929.

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](#).

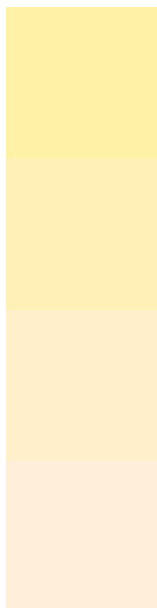
Dichromacy





Tritanopia
95, 9.093, 341.628

Trichromacy



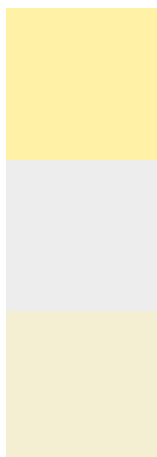
Original Color
95, 38.828, 99.525

Protanomaly
95, 31.014, 97.655

Deuteranomaly
95, 19.866, 90.933

Tritanomaly
95, 12.454, 78.957

Monochromacy



Original Color
95, 38.828, 99.525

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 14.446, 101.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 38.913, 98.929 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 38.913, 98.929 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, 166) }
```

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

```
.border{ border-color:rgb(255, 242, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 38.913, 98.929 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
242, 166) }
```

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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