

Converting Colors

CIELCh(93, 57.766, 98.304)

Have a look what the booklet for
CIELCh(93, 57.766, 98.304) contains.

CIELCh(93, 57.766, 98.576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(93, 57.766, 98.576)

Conversions

Conversions Part 1

Format	Color
Hex	FEED7A
RGB	254, 237, 122
RGB Percent	100%, 93%, 48%
CMY	0.0043, 0.0709, 0.5219
CMYK	0.00, 0.07, 0.52, 0.00
HSL	52°, 98%, 74%
HSV	52°, 52%, 100%
XYZ	74.5992, 82.9670, 30.4651
YIQ	228.9730, 47.0470, -32.1610

Conversions

Conversions Part 2

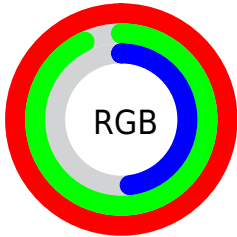
Format	Color
RYB	142, 254, 122
Decimal	16706938
CIELab	93.00, -8.61, 57.12
CIELCh	93, 57.766, 98.576
Yxy	82.9670, 0.3967, 0.4412
Android (android.graphics.Color)	4294897018 (0xFFFEED7A)
YUV	228.9730, -52.7377, 21.9487
Hunter-Lab	91.0862, -13.2102, 43.9300

Details

The CIELCh color **93, 57.766, 98.576** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **61, 64.434, 292.907**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 39.118, 107.193**, and **73, 57.498, 98.363** is the 20% darker color. If you saturate the color by 10%, you get **92, 67.672, 97.478**, and if you desaturate by 10%, it is **94, 47.121, 99.703**.

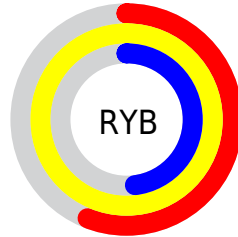
Distribution



Red (100%)

Green (93%)

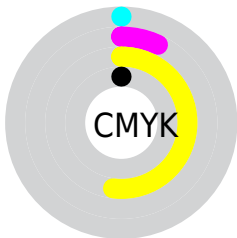
Blue (48%)



Red (56%)

Yellow (100%)

Blue (48%)

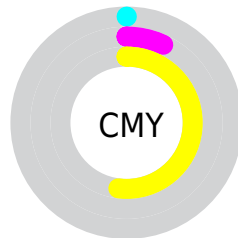


Cyan (0%)

Magenta (7%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 57.766, 98.576 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 93, 57.766, 98.576 by changing the saturation by 10% instead.

 93, 57.766, 98.576

 93, 57.766, 98.576

 100, 57.766,
98.576

 83, 57.766, 98.576

 73, 57.766, 98.576

 63, 57.766, 98.576

 53, 57.766, 98.576

 43, 57.766, 98.576

 33, 57.766, 98.576

 23, 57.766, 98.576

 13, 57.766, 98.576

 3, 57.766, 98.576

93, 57.766, 98.576

93, 57.766, 98.576

92, 67.672, 97.478

94, 47.121, 99.703

91, 76.314, 96.412

95, 36.075,
100.835

90, 82.987, 95.387

97, 24.837,
101.960

89, 86.984, 94.389

98, 13.529,
103.066

88, 88.299, 93.588

99, 2.227, 104.096

100, 0.383,
201.112

Harmonies

Complementary

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



93, 57.766, 98.576



61, 64.434, 292.907

Rectangle

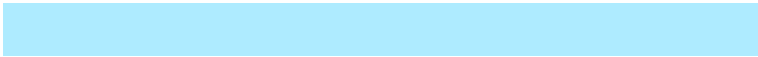
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 57.766, 98.576



93, 57.766, 148.576



93, 57.766, 278.576



93, 57.766, 328.576

Sweetspot

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



93, 57.767, 98.579



98, 18.137, 102.625



67, 53.857, 15.875



52, 12.247, 102.397



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

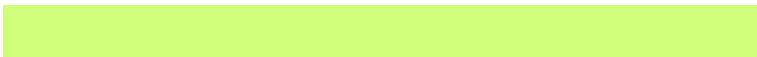
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 57.767, 98.579



92, 67.923, 97.475



94, 67.453, 121.620



53, 6.438, 103.334



68, 71.448, 93.762



23, 32.127, 95.132

Inverse Universe

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



61, 64.434, 292.907



55, 78.603, 295.402



61, 74.948, 307.758



49, 6.543, 285.471



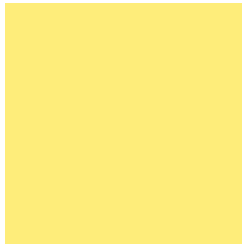
25, 100.858, 304.429



5, 40.032, 299.360

Previews

White Background



This preview shows how the CIELCh color 93, 57.766, 98.576 looks on a white background.

Color Contrast Check

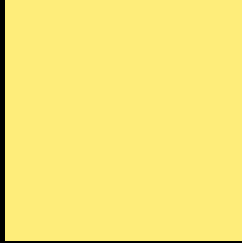
Large Text (above 18pt) WCAG AA × Fail

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 93, 57.766, 98.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

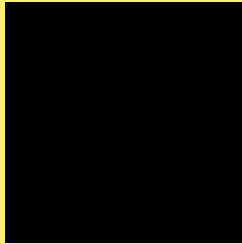
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 57.766, 98.576

Background



This preview shows how black text looks on a background with the CIELCh color 93, 57.766, 98.576.

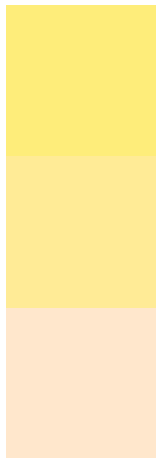


This preview shows how white text looks on a background with the CIELCh color 93, 57.766, 98.576.

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

93, 57.766, 98.576

Protanopia

93, 43.898, 96.090

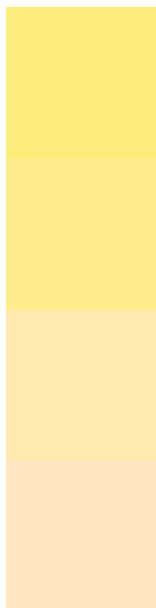
Deuteranopia

93, 16.616, 75.966



Tritanopia
93, 11.221, 349.888

Trichromacy



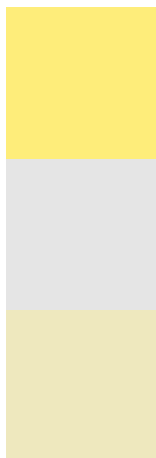
Original Color
93, 57.766, 98.576

Protanomaly
93, 49.068, 97.192

Deuteranomaly
93, 31.459, 91.760

Tritanomaly
93, 20.241, 81.757

Monochromacy



Original Color
93, 57.766, 98.576

Achromatopsia
91, 0.011, 296.813

Achromatomaly
92, 21.702, 102.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 57.766, 98.576 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(254, 237, 122)` looks like.

```
.text, #text, p{  
    color:rgb(254, 237, 122)  
}
```

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(254, 237, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 237, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 57.766, 98.576 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(254, 237, 122) }
```

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

```
.border{ border-color:rgb(254, 237, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 237, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 237, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 237, 122);  
box-shadow:4px 4px 4px 4px rgb(254, 237,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 57.766, 98.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 237, 122) }
```

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

```
.background{ background-color: rgb(254,  
237, 122) }
```

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