

Converting Colors

CIELCh(100, 72.050, 74.171)

Have a look what the booklet for
CIELCh(100, 72.050, 74.171)
contains.

CIELCh(93, 60.444, 98.663)	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, 60.444, 98.663)

Conversions

Conversions Part 1

Format	Color
Hex	FEED74
RGB	254, 237, 116
RGB Percent	100%, 93%, 45%
CMY	0.0038, 0.0702, 0.5445
CMYK	0.00, 0.07, 0.54, 0.00
HSL	53°, 99%, 73%
HSV	53°, 54%, 100%
XYZ	74.3617, 82.9670, 28.6613
YIQ	228.2890, 48.9730, -34.0270

Conversions

Conversions Part 2

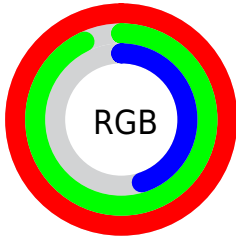
Format	Color
RYB	135, 254, 116
Decimal	16706932
CIELab	93.00, -9.10, 59.75
CIELCh	93, 60.444, 98.663
Yxy	82.9670, 0.3998, 0.4461
Android (android.graphics.Color)	4294897012 (0xFFFEED74)
YUV	228.2890, -55.3585, 22.5485
Hunter-Lab	91.0862, -13.6757, 45.1041

Details

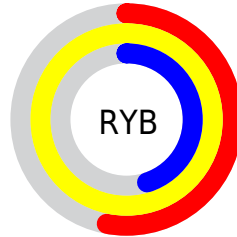
The CIELCh color **93, 60.444, 98.663** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **60, 68.101, 293.717**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 42.047, 106.967**, and **73, 60.358, 98.354** is the 20% darker color. If you saturate the color by 10%, you get **92, 70.139, 97.587**, and if you desaturate by 10%, it is **94, 49.894, 99.774**.

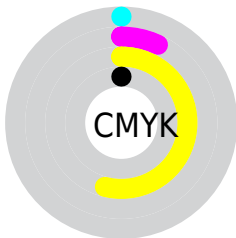
Distribution



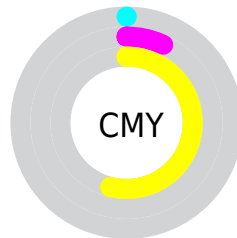
- Red (100%)
- Green (93%)
- Blue (45%)



- Red (53%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 60.444, 98.663 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, 60.444, 98.663 by changing the saturation by 10% instead.

 93, 60.444, 98.663

 93, 60.444, 98.663

 100, 60.444,
98.663

 83, 60.444, 98.663

 73, 60.444, 98.663

 63, 60.444, 98.663

 53, 60.444, 98.663

 43, 60.444, 98.663

 33, 60.444, 98.663

 23, 60.444, 98.663

 13, 60.444, 98.663

 3, 60.444, 98.663

93, 60.444, 98.663

93, 60.444, 98.663

92, 70.139, 97.587

94, 49.894, 99.774

91, 78.406, 96.550

95, 38.867,
100.896

90, 84.518, 95.561

96, 27.599,
102.017

89, 87.836, 94.602

89, 88.653, 94.057

98, 16.233,
103.122

99, 4.852, 104.187

100, 0.332,
201.380

Harmonies

Complementary

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



93, 60.444, 98.663



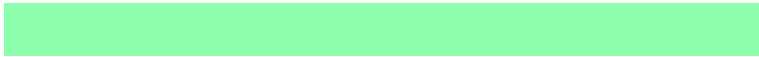
60, 68.101, 293.717

Rectangle

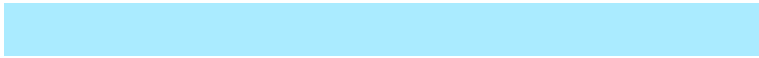
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 60.444, 98.663



93, 60.444, 148.663



93, 60.444, 278.663



93, 60.444, 328.663

Sweetspot

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



93, 60.445, 98.666



98, 18.245, 102.933



66, 56.409, 16.449



52, 12.319, 102.707



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

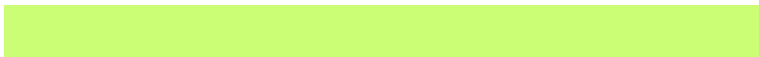
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 60.445, 98.666



92, 71.002, 97.510



94, 70.180, 121.535



53, 6.477, 103.639



69, 71.701, 94.222



23, 32.272, 95.533

Inverse Universe

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



60, 68.101, 293.717



52, 83.446, 296.440



60, 78.425, 307.934



49, 6.585, 285.765



25, 101.298, 304.553



5, 40.219, 299.485

Previews

White Background



This preview shows how the CIELCh color 93, 60.444, 98.663 looks on a white background.

Color Contrast Check

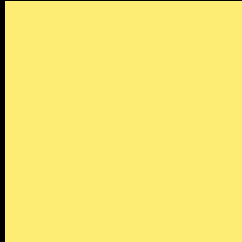
Large Text (above 18pt) WCAG AA × Fail

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, 60.444, 98.663 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, 60.444, 98.663

Background



This preview shows how black text looks on a background with the CIELCh color 93, 60.444, 98.663.

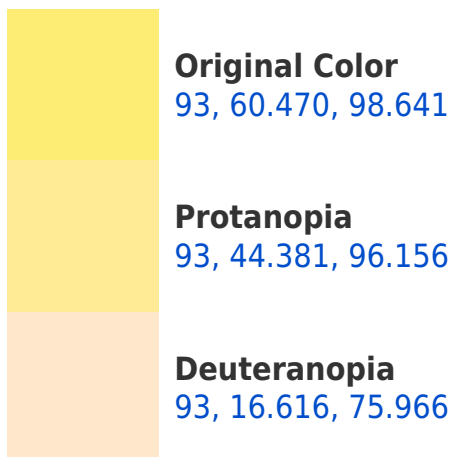


This preview shows how white text looks on a background with the CIELCh color 93, 60.444, 98.663.

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](#).

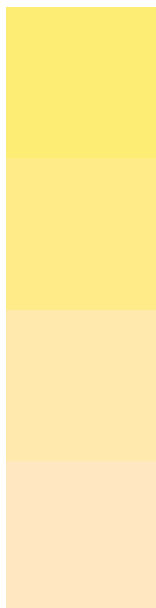
Dichromacy





Tritanopia
93, 11.221, 349.888

Trichromacy



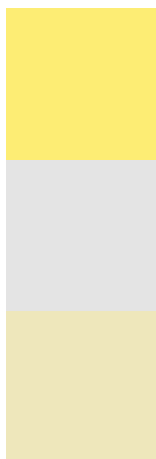
Original Color
93, 60.470, 98.641

Protanomaly
93, 50.490, 97.308

Deuteranomaly
93, 32.438, 92.133

Tritanomaly
93, 21.174, 82.872

Monochromacy



Original Color
93, 60.470, 98.641

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 22.737, 102.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 60.444, 98.663 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(254, 237, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 237, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 60.444, 98.663 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, 116) }
```

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

```
.border{ border-color:rgb(254, 237, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 237, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 237, 116);  
box-shadow:4px 4px 4px 4px rgb(254, 237,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 60.444, 98.663 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, 116) }
```

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

```
.background{ background-color: rgb(254,  
237, 116) }
```

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