

Converting Colors

CIELCh(100, 71.639, 71.258)

Have a look what the booklet for
CIELCh(100, 71.639, 71.258)
contains.

CIELCh(93, 58.369, 97.758)	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, 58.369, 97.758)

Conversions

Conversions Part 1

Format	Color
Hex	FFEC78
RGB	255, 236, 120
RGB Percent	100%, 93%, 47%
CMY	0.0000, 0.0727, 0.5277
CMYK	0.00, 0.07, 0.53, 0.00
HSL	52°, 100%, 74%
HSV	52°, 53%, 100%
XYZ	74.9564, 82.9670, 29.9685
YIQ	228.4570, 48.5600, -32.0480

Conversions

Conversions Part 2

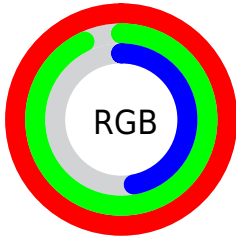
Format	Color
RYB	142, 255, 120
Decimal	16772216
CIELab	93.00, -7.88, 57.83
CIELCh	93, 58.369, 97.758
Yxy	82.9670, 0.3989, 0.4416
Android (android.graphics.Color)	4294962296 (0xFFFFEC78)
YUV	228.4570, -53.4693, 23.2782
Hunter-Lab	91.0862, -12.5102, 44.2532

Details

The CIELCh color **93, 58.369, 97.758** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **61, 65.011, 292.681**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 40.096, 107.118**, and **73, 58.043, 97.459** is the 20% darker color. If you saturate the color by 10%, you get **92, 68.165, 96.832**, and if you desaturate by 10%, it is **94, 47.758, 99.093**.

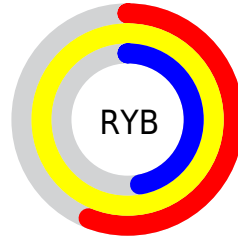
Distribution



Red (100%)

Green (93%)

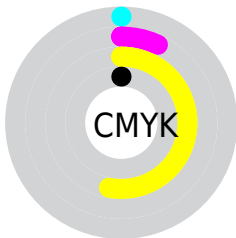
Blue (47%)



Red (56%)

Yellow (100%)

Blue (47%)

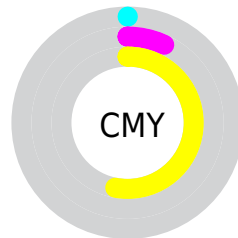


Cyan (0%)

Magenta (7%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 58.369, 97.758 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, 58.369, 97.758 by changing the saturation by 10% instead.

 93, 58.369, 97.758

 93, 58.369, 97.758

 100, 58.369,
97.758

 83, 58.369, 97.758

 73, 58.369, 97.758

 63, 58.369, 97.758

 53, 58.369, 97.758

 43, 58.369, 97.758

 33, 58.369, 97.758

 23, 58.369, 97.758

 13, 58.369, 97.758

 3, 58.369, 97.758

93, 58.369, 97.758

93, 58.369, 97.758

92, 68.165, 96.832

94, 47.758, 99.093

91, 76.694, 95.739

95, 36.768,
100.239

90, 83.204, 94.676

97, 25.587,
101.378

89, 86.986, 93.621

98, 14.339,
102.495

88, 88.109, 92.847

100, 3.098,
103.553

100, 0.012,
296.813

Harmonies

Complementary

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



93, 58.369, 97.758



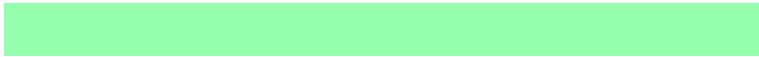
61, 65.011, 292.681

Rectangle

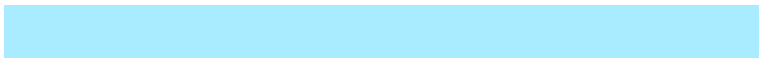
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 58.369, 97.758



93, 58.369, 147.758



93, 58.369, 277.758



93, 58.369, 327.758

Sweetspot

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



93, 58.340, 97.953



98, 17.970, 102.138



67, 54.806, 14.804



52, 12.135, 101.908



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

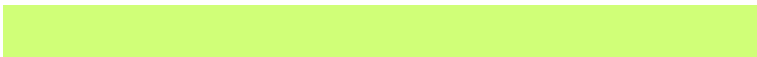
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 58.340, 97.953



92, 68.376, 96.806



94, 68.365, 120.916



53, 6.377, 102.853



68, 71.065, 93.039



23, 31.905, 94.501

Inverse Universe

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



61, 65.011, 292.681



54, 79.115, 295.268



61, 76.360, 307.338



49, 6.478, 285.006



25, 100.147, 304.225



5, 39.743, 299.162

Previews

White Background



This preview shows how the CIELCh color 93, 58.369, 97.758 looks on a white background.

Color Contrast Check

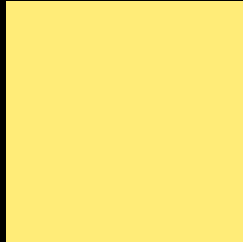
Large Text (above 18pt) WCAG AA × Fail

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, 58.369, 97.758 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, 58.369, 97.758

Background



This preview shows how black text looks on a background with the CIELCh color 93, 58.369, 97.758.

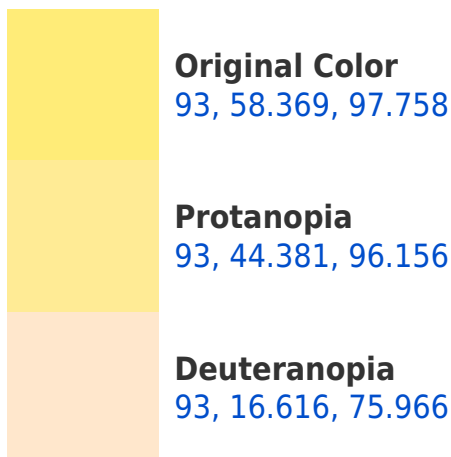


This preview shows how white text looks on a background with the CIELCh color 93, 58.369, 97.758.

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](#).

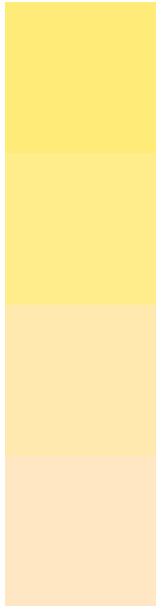
Dichromacy





Tritanopia
93, 10.979, 352.221

Trichromacy



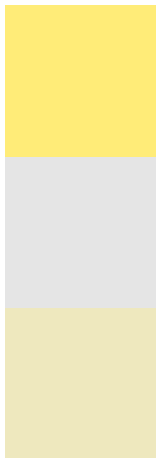
Original Color
93, 58.369, 97.758

Protanomaly
93, 49.543, 97.232

Deuteranomaly
93, 31.459, 91.760

Tritanomaly
93, 20.707, 82.328

Monochromacy



Original Color
93, 58.369, 97.758

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, 58.369, 97.758 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, 236, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 120)  
}
```

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, 236, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 58.369, 97.758 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, 236, 120) }
```

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

```
.border{ border-color:rgb(255, 236, 120) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 58.369, 97.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 120) }
```

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

```
.background{ background-color: rgb(255,  
236, 120) }
```

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