

Converting Colors

CIELCh(93, 60.081, 98.239)

Have a look what the booklet for
CIELCh(93, 60.081, 98.239) contains.

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Color

CIELCh(93, 60.081, 98.239)

Conversions

Conversions Part 1

Format	Color
Hex	FFED75
RGB	255, 237, 117
RGB Percent	100%, 93%, 46%
CMY	0.0008, 0.0713, 0.5418
CMYK	0.00, 0.07, 0.54, 0.00
HSL	52°, 100%, 73%
HSV	52°, 54%, 100%
XYZ	74.6013, 82.9670, 28.8587
YIQ	228.7020, 49.2480, -33.5040

Conversions

Conversions Part 2

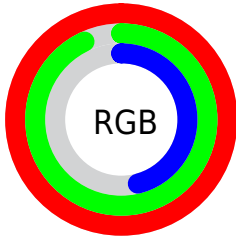
Format	Color
RYB	138, 255, 117
Decimal	16772469
CIELab	93.00, -8.61, 59.46
CIELCh	93, 60.081, 98.239
Yxy	82.9670, 0.4002, 0.4450
Android (android.graphics.Color)	4294962549 (0xFFFFE75)
YUV	228.7020, -55.0691, 23.0633
Hunter-Lab	91.0862, -13.2061, 44.9756

Details

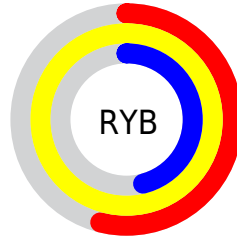
The CIELCh color **93, 60.081, 98.239** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **60, 67.463, 293.353**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **73, 60.016, 97.934** is the 20% darker color. If you saturate the color by 10%, you get **92, 69.786, 97.143**, and if you desaturate by 10%, it is **94, 49.542, 99.366**.

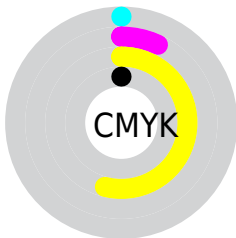
Distribution



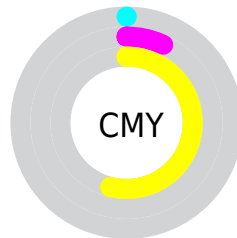
- Red (100%)
- Green (93%)
- Blue (46%)



- Red (54%)
- Yellow (100%)
- Blue (46%)



- 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, 60.081, 98.239 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, 60.081, 98.239 by changing the saturation by 10% instead.

 93, 60.081, 98.239

 93, 60.081, 98.239

 100, 60.081,
98.239

 83, 60.081, 98.239

 73, 60.081, 98.239

 63, 60.081, 98.239

 53, 60.081, 98.239

 43, 60.081, 98.239

 33, 60.081, 98.239

 23, 60.081, 98.239

 13, 60.081, 98.239

 3, 60.081, 98.239

93, 60.081, 98.239

93, 60.081, 98.239

92, 69.786, 97.143

94, 49.542, 99.366

91, 78.086, 96.081

95, 38.542,
100.500

90, 84.247, 95.055

97, 27.315,
101.630

89, 87.613, 94.048

98, 15.999,
102.743

89, 88.451, 93.455

99, 4.677, 103.813

100, 0.067,
209.330

Harmonies

Complementary

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



93, 60.081, 98.239



60, 67.463, 293.353

Rectangle

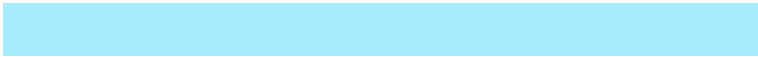
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 60.081, 98.239



93, 60.081, 148.239



93, 60.081, 278.239



93, 60.081, 328.239

Sweetspot

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



93, 60.082, 98.242



98, 18.107, 102.539



66, 56.402, 16.417



52, 12.227, 102.311



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, 60.082, 98.242



92, 70.599, 97.051



94, 70.196, 121.539



53, 6.427, 103.250



68, 71.379, 93.635



23, 32.087, 95.021

Inverse Universe

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



60, 67.463, 293.353



53, 82.682, 296.124



60, 78.418, 307.925



49, 6.531, 285.389



25, 100.734, 304.393



5, 39.981, 299.325

Previews

White Background



This preview shows how the CIELCh color 93, 60.081, 98.239 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, 60.081, 98.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

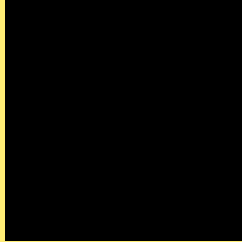
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 60.081, 98.239

Background



This preview shows how black text looks on a background with the CIELCh color 93, 60.081, 98.239.

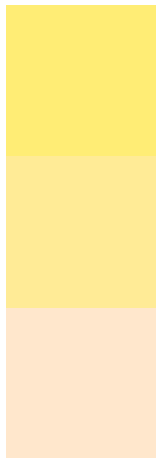


This preview shows how white text looks on a background with the CIELCh color 93, 60.081, 98.239.

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, 60.081, 98.239

Protanopia

93, 43.898, 96.090

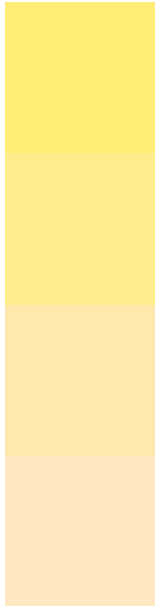
Deuteranopia

93, 16.616, 75.966



Tritanopia
93, 10.979, 352.221

Trichromacy



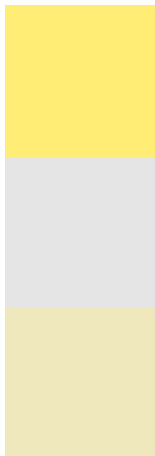
Original Color
93, 60.081, 98.239

Protanomaly
93, 50.017, 97.271

Deuteranomaly
93, 32.438, 92.133

Tritanomaly
93, 21.174, 82.872

Monochromacy



Original Color
93, 60.081, 98.239

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 22.719, 102.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 60.081, 98.239 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, 237, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 117)  
}
```

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, 237, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 60.081, 98.239 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, 237, 117) }
```

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

```
.border{ border-color:rgb(255, 237, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 60.081, 98.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 117) }
```

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

```
.background{ background-color: rgb(255,  
237, 117) }
```

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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