

Converting Colors

CIELCh(99, 82.726, 78.941)

Have a look what the booklet for
CIELCh(99, 82.726, 78.941) contains.

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Color

CIELCh(93, 73.800, 98.361)

Conversions

Conversions Part 1

Format	Color
Hex	FFEE55
RGB	255, 238, 85
RGB Percent	100%, 93%, 33%
CMY	0.0000, 0.0681, 0.6681
CMYK	0.00, 0.07, 0.67, 0.00
HSL	54°, 100%, 67%
HSV	54°, 67%, 100%
XYZ	73.5766, 82.9670, 20.6540
YIQ	225.6410, 59.2450, -43.9790

Conversions

Conversions Part 2

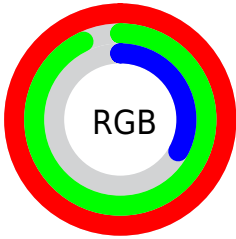
Format	Color
RYB	104, 255, 85
Decimal	16772693
CIELab	93.00, -10.73, 73.02
CIELCh	93, 73.800, 98.361
Yxy	82.9670, 0.4152, 0.4682
Android (android.graphics.Color)	4294962773 (0xFFFFEE55)
YUV	225.6410, -69.3360, 25.7478
Hunter-Lab	91.0862, -15.2142, 50.3162

Details

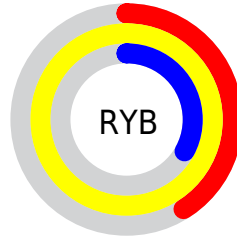
The CIELCh color **93, 73.800, 98.361** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **50, 88.227, 297.762**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 55.849, 105.903**, and **73, 73.591, 98.473** is the 20% darker color. If you saturate the color by 10%, you get **92, 81.601, 97.635**, and if you desaturate by 10%, it is **94, 64.278, 99.594**.

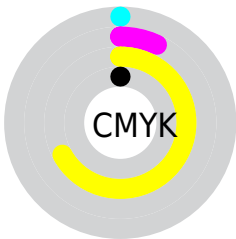
Distribution



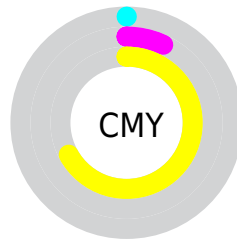
- Red (100%)
- Green (93%)
- Blue (33%)



- Red (41%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (7%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 73.800, 98.361 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, 73.800, 98.361 by changing the saturation by 10% instead.

93, 73.800, 98.361

93, 73.800, 98.361

100, 73.800,
98.361

83, 73.800, 98.361

73, 73.800, 98.361

63, 73.800, 98.361

53, 73.800, 98.361

43, 73.800, 98.361

33, 73.800, 98.361

23, 73.800, 98.361

13, 73.800, 98.361

3, 73.800, 98.361

93, 73.800, 98.361

93, 73.800, 98.361

92, 81.601, 97.635

94, 64.278, 99.594

91, 87.059, 96.761

95, 53.754,
100.652

91, 89.649, 95.948

96, 42.629,
101.737

90, 90.091, 95.695

97, 31.180,
102.831

98, 19.577,
103.918

99, 7.922, 104.980

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, 73.800, 98.361



50, 88.227, 297.762

Rectangle

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



93, 73.800, 98.361



93, 73.800, 148.361



93, 73.800, 278.361



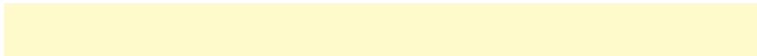
93, 73.800, 328.361

Sweetspot

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



93, 73.767, 98.582



98, 23.289, 103.573



61, 70.376, 21.459



52, 15.883, 103.267



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, 73.767, 98.582



92, 83.634, 97.348



93, 84.370, 121.926



53, 6.619, 104.698



70, 72.646, 95.829



24, 32.799, 96.929

Inverse Universe

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



50, 88.227, 297.762



42, 107.097, 301.193



52, 96.877, 309.249



49, 6.737, 286.786



24, 102.755, 304.959



5, 40.886, 299.918

Previews

White Background



This preview shows how the CIELCh color 93, 73.800, 98.361 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, 73.800, 98.361 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, 73.800, 98.361

Background



This preview shows how black text looks on a background with the CIELCh color 93, 73.800, 98.361.

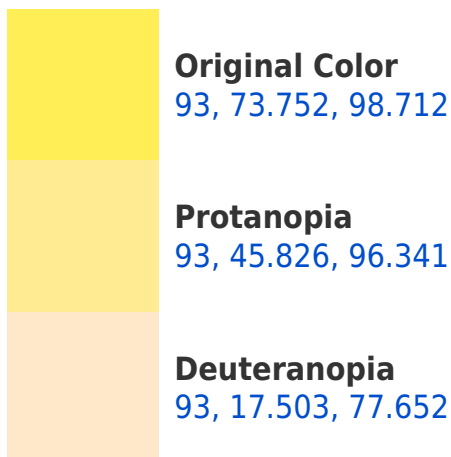


This preview shows how white text looks on a background with the CIELCh color 93, 73.800, 98.361.

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](#).

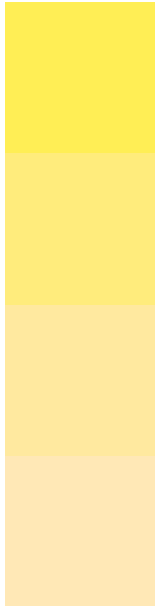
Dichromacy





Tritanopia
93, 10.979, 352.221

Trichromacy



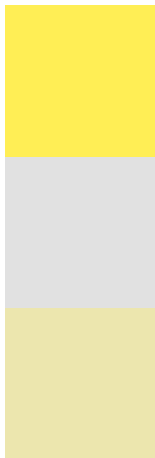
Original Color
93, 73.752, 98.712

Protanomaly
93, 56.547, 97.680

Deuteranomaly
93, 38.794, 93.988

Tritanomaly
93, 27.218, 88.874

Monochromacy



Original Color
93, 73.752, 98.712

Achromatopsia
90, 0.011, 296.813

Achromatomaly
91, 28.845, 103.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 73.800, 98.361 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, 238, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 85)  
}
```

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, 238, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 73.800, 98.361 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, 238, 85) }
```

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

```
.border{ border-color:rgb(255, 238, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 73.800, 98.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 85) }
```

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

```
.background{ background-color: rgb(255,  
238, 85) }
```

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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