

Converting Colors

CIELCh(93, 80.982, 101.350)

Have a look what the booklet for
CIELCh(93, 80.982, 101.350)
contains.

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Color

CIELCh(93, 80.803, 101.350)

Conversions

Conversions Part 1

Format	Color
Hex	F8F042
RGB	248, 240, 66
RGB Percent	97%, 94%, 26%
CMY	0.0259, 0.0573, 0.7395
CMYK	0.00, 0.03, 0.73, 0.03
HSL	57°, 93%, 62%
HSV	57°, 73%, 97%
XYZ	71.1184, 82.9670, 17.4847
YIQ	222.5560, 60.6220, -52.4180

Conversions

Conversions Part 2

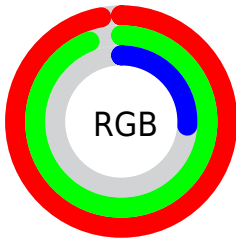
Format	Color
RYB	74, 248, 66
Decimal	16314434
CIELab	93.00, -15.90, 79.22
CIELCh	93, 80.803, 101.350
Yxy	82.9670, 0.4145, 0.4836
Android (android.graphics.Color)	4294504514 (0xFFFF8F042)
YUV	222.5560, -77.1821, 22.3144
Hunter-Lab	91.0862, -20.0315, 52.3792

Details

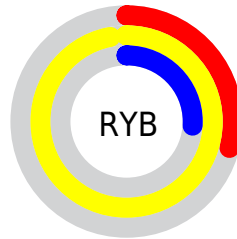
The CIELCh color **93, 80.803, 101.350** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **43, 101.792, 301.392**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 63.106, 105.348**, and **73, 75.857, 101.500** is the 20% darker color. If you saturate the color by 10%, you get **93, 87.131, 100.702**, and if you desaturate by 10%, it is **93, 72.325, 102.137**.

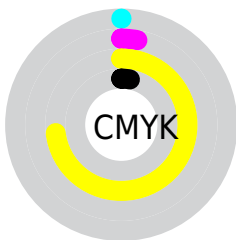
Distribution



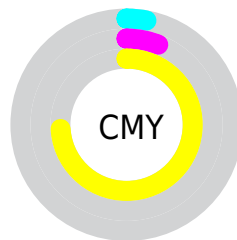
- Red (97%)
- Green (94%)
- Blue (26%)



- Red (29%)
- Yellow (97%)
- Blue (26%)



- Cyan (0%)
- Magenta (3%)
- Yellow (73%)
- Black (3%)





- Cyan (3%)
- Magenta (6%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 80.803, 101.350 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, 80.803, 101.350 by changing the saturation by 10% instead.


 93, 80.803,
101.350


 93, 80.803,
101.350


 100, 80.803,
101.350


 83, 80.803,
101.350

 73, 80.803,
101.350

 63, 80.803,
101.350

 53, 80.803,
101.350

 43, 80.803,
101.350

 33, 80.803,
101.350

 23, 80.803,

101.350

■ 13, 80.803,
101.350

■ 3, 80.803, 101.350

■ 93, 80.803,
101.350

■ 93, 80.803,
101.350

■ 93, 87.131,
100.702

■ 93, 72.325,
102.137

■ 92, 90.788,
100.203

■ 94, 62.345,
103.024

■ 92, 91.931, 99.935

■ 95, 51.406,
103.982

■ 95, 39.890,
104.983

96, 28.044,
106.002

97, 16.027,
107.022

97, 3.935, 108.013

98, 3.007, 285.548

98, 2.512, 275.738

Harmonies

Complementary

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



93, 80.803, 101.350



43, 101.792, 301.392

Rectangle

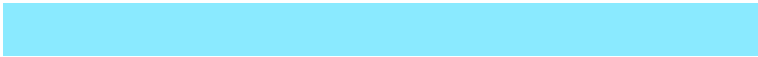
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 80.803, 101.350



93, 80.803, 151.350



93, 80.803, 281.350



93, 80.803, 331.350

Sweetspot

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



93, 80.803, 101.352



98, 27.107, 106.128



57, 77.815, 28.545



52, 18.195, 105.850



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, 80.803, 101.352



95, 91.052, 100.441



90, 90.224, 124.538



52, 6.906, 107.401



72, 74.820, 99.986



24, 33.177, 100.617

Inverse Universe

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



43, 101.792, 301.392



36, 123.172, 304.490



48, 102.749, 311.221



48, 7.049, 289.388



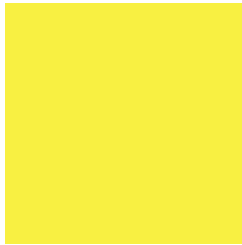
23, 104.728, 305.772



4, 40.725, 300.098

Previews

White Background



This preview shows how the CIELCh color 93, 80.803, 101.350 looks on a white background.

Color Contrast Check

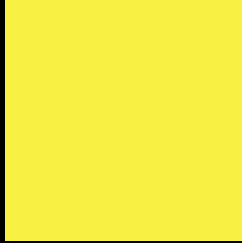
Large Text (above 18pt) WCAG AA × Fail

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, 80.803, 101.350 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, 80.803, 101.350

Background



This preview shows how black text looks on a background with the CIELCh color 93, 80.803, 101.350.

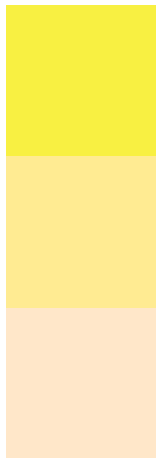


This preview shows how white text looks on a background with the CIELCh color 93, 80.803, 101.350.

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, 80.803, 101.350

Protanopia
93, 45.826, 96.341

Deuteranopia
93, 17.952, 78.428

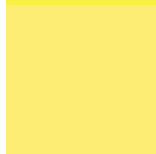


Tritanopia
93, 12.064, 346.546

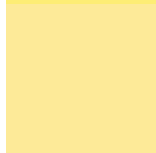
Trichromacy



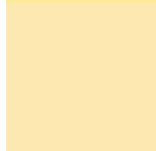
Original Color
93, 80.803, 101.350



Protanomaly
93, 59.969, 99.026



Deuteranomaly
93, 42.394, 96.396



Tritanomaly
92, 29.408, 91.643

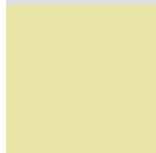
Monochromacy



Original Color
93, 80.803, 101.350



Achromatopsia
89, 0.011, 296.813



Achromatomaly
90, 32.335, 105.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 80.803, 101.350 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(248, 240, 66)` looks like.

```
.text, #text, p{  
    color:rgb(248, 240, 66)  
}
```

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(248, 240, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 240, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 80.803, 101.350 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(248, 240, 66) }
```

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

```
.border{ border-color:rgb(248, 240, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 240, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 240, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 240, 66);  
box-shadow:4px 4px 4px 4px rgb(248, 240,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 80.803, 101.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 240, 66) }
```

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

```
.background{ background-color: rgb(248,  
240, 66) }
```

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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