

Converting Colors

CIELCh(93, 83.396, 100.710)

Have a look what the booklet for
CIELCh(93, 83.396, 100.710)
contains.

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Color

CIELCh(93, 83.257, 100.646)

Conversions

Conversions Part 1

Format	Color
Hex	FAF03A
RGB	250, 240, 58
RGB Percent	98%, 94%, 23%
CMY	0.0195, 0.0587, 0.7724
CMYK	0.00, 0.04, 0.77, 0.02
HSL	57°, 95%, 60%
HSV	57°, 77%, 98%
XYZ	71.3637, 82.9670, 16.2594
YIQ	222.2420, 64.3820, -54.4820

Conversions

Conversions Part 2

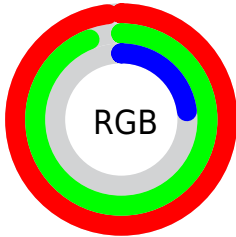
Format	Color
RYB	69, 250, 58
Decimal	16445498
CIELab	93.00, -15.38, 81.82
CIELCh	93, 83.257, 100.646
Yxy	82.9670, 0.4183, 0.4864
Android (android.graphics.Color)	4294635578 (0xFFFAF03A)
YUV	222.2420, -80.9713, 24.3438
Hunter-Lab	91.0862, -19.5509, 53.1768

Details

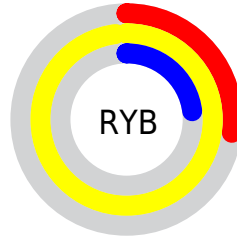
The CIELCh color **93, 83.257, 100.646** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **41, 106.515, 301.977**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 66.170, 105.115**, and **73, 75.868, 101.162** is the 20% darker color. If you saturate the color by 10%, you get **93, 88.693, 100.015**, and if you desaturate by 10%, it is **93, 75.444, 101.416**.

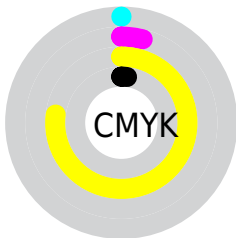
Distribution



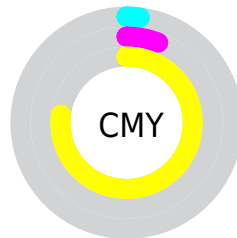
- Red (98%)
- Green (94%)
- Blue (23%)



- Red (27%)
- Yellow (98%)
- Blue (23%)



- Cyan (0%)
- Magenta (4%)
- Yellow (77%)
- Black (2%)




- Cyan (2%)
- Magenta (6%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 83.257, 100.646 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, 83.257, 100.646 by changing the saturation by 10% instead.


 93, 83.257,
100.646


 93, 83.257,
100.646


 100, 83.257,
100.646


 83, 83.257,
100.646

 73, 83.257,
100.646

 63, 83.257,
100.646

 53, 83.257,
100.646

 43, 83.257,
100.646

 33, 83.257,
100.646

 23, 83.257,

100.646

■ 13, 83.257,
100.646

■ 3, 83.257, 100.646

■ 93, 83.257,
100.646

■ 93, 83.257,
100.646

■ 93, 88.693,
100.015

■ 93, 75.444,
101.416

■ 92, 91.362, 99.519

■ 94, 65.910,
102.292

■ 92, 91.854, 99.377

■ 95, 55.253,
103.246

■ 95, 43.911,
104.247

96, 32.175,
105.273

97, 20.228,
106.304

98, 8.183, 107.320

99, 2.335, 286.822

99, 1.763, 270.554

Harmonies

Complementary

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



93, 83.257, 100.646



41, 106.515, 301.977

Rectangle

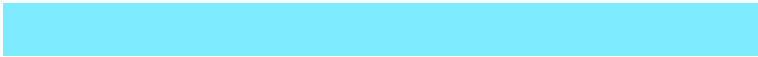
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 83.257, 100.646



93, 83.257, 150.646



93, 83.257, 280.646



93, 83.257, 330.646

Sweetspot

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



93, 83.257, 100.648



98, 28.111, 105.662



56, 81.218, 28.796



52, 19.429, 105.289



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, 83.257, 100.648



94, 91.813, 99.736



90, 93.254, 123.994



52, 6.851, 107.048



72, 74.396, 99.439



24, 32.962, 100.148

Inverse Universe

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



41, 106.515, 301.977



35, 126.358, 304.969



46, 107.561, 310.891



48, 6.990, 289.047



23, 104.378, 305.679



4, 40.489, 299.962

Previews

White Background



This preview shows how the CIELCh color 93, 83.257, 100.646 looks on a white background.

Color Contrast Check

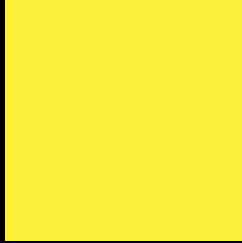
Large Text (above 18pt) WCAG AA × Fail

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, 83.257, 100.646 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, 83.257, 100.646

Background



This preview shows how black text looks on a background with the CIELCh color 93, 83.257, 100.646.



This preview shows how white text looks on a background with the CIELCh color 93, 83.257, 100.646.

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, 83.257, 100.646

Protanopia

93, 46.307, 96.398

Deuteranopia

93, 17.952, 78.428



Tritanopia
93, 11.221, 349.888

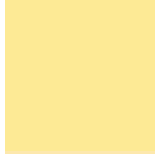
Trichromacy



Original Color
93, 83.257, 100.646



Protanomaly
93, 61.748, 99.049



Deuteranomaly
93, 43.849, 96.593

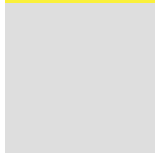


Tritanomaly
92, 31.372, 92.440

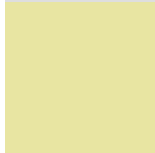
Monochromacy



Original Color
93, 83.257, 100.646



Achromatopsia
88, 0.011, 296.813



Achromatomaly
90, 34.347, 105.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 83.257, 100.646 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(250, 240, 58)` looks like.

```
.text, #text, p{  
    color:rgb(250, 240, 58)  
}
```

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(250, 240, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 240, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 83.257, 100.646 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(250, 240, 58) }
```

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

```
.border{ border-color:rgb(250, 240, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 240, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 240, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 240, 58);  
box-shadow:4px 4px 4px 4px rgb(250, 240,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 83.257, 100.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 240, 58) }
```

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

```
.background{ background-color: rgb(250,  
240, 58) }
```

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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