

Converting Colors

CIELCh(93, 91.842, 98.708)

Have a look what the booklet for
CIELCh(93, 91.842, 98.708) contains.

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Color

CIELCh(93, 91.860, 98.635)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF09
RGB	255, 239, 9
RGB Percent	100%, 94%, 4%
CMY	0.0002, 0.0629, 0.9655
CMYK	0.00, 0.06, 0.97, 0.00
HSL	56°, 100%, 52%
HSV	56°, 97%, 100%
XYZ	72.1149, 82.9670, 12.4650
YIQ	217.5640, 83.3660, -68.1380

Conversions

Conversions Part 2

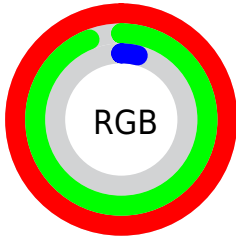
Format	Color
RYP	26, 255, 9
Decimal	16772873
CIELab	93.00, -13.79, 90.82
CIElCh	93, 91.860, 98.635
Yxy	82.9670, 0.4304, 0.4952
Android (android.graphics.Color)	4294962953 (0xFFFFEF09)
YUV	217.5640, -102.8221, 32.8314
Hunter-Lab	91.0862, -18.0786, 55.6466

Details

The CIELCh color **93, 91.860, 98.635** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **34, 128.965, 305.373**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.002, 104.374**, and **73, 75.665, 99.451** is the 20% darker color. If you saturate the color by 10%, you get **93, 92.365, 98.456**, and if you desaturate by 10%, it is **93, 89.142, 99.213**.

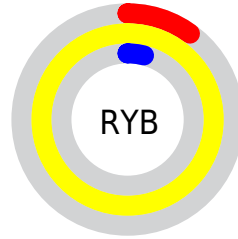
Distribution



Red (100%)

Green (94%)

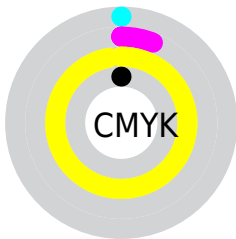
Blue (4%)



Red (10%)

Yellow (100%)

Blue (4%)

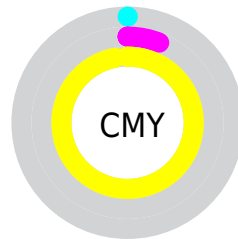


Cyan (0%)

Magenta (6%)

Yellow (97%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 91.860, 98.635 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, 91.860, 98.635 by changing the saturation by 10% instead.

 93, 91.860, 98.635

 93, 91.860, 98.635

 100, 91.860,
98.635

 83, 91.860, 98.635

 73, 91.860, 98.635

 63, 91.860, 98.635

 53, 91.860, 98.635

 43, 91.860, 98.635

 33, 91.860, 98.635

 23, 91.860, 98.635

 13, 91.860, 98.635

 3, 91.860, 98.635

■ 93, 91.860, 98.635

■ 93, 91.860, 98.635

■ 93, 92.365, 98.456

■ 93, 89.142, 99.213

■ 94, 83.594, 99.910

■ 95, 75.650,
100.726

■ 95, 65.992,
101.639

■ 96, 55.229,
102.621

■ 97, 43.802,
103.645

■ 97, 31.998,
104.690

■ 98, 19.998,
105.735

Harmonies

Complementary

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



93, 91.860, 98.635



34, 128.965, 305.373

Rectangle

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



93, 91.860, 98.635



93, 91.860, 148.635



93, 91.860, 278.635



93, 91.860, 328.635

Sweetspot

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



93, 91.859, 98.637



97, 34.922, 104.433



54, 99.843, 37.030



52, 23.906, 103.987



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, 91.859, 98.637



93, 92.382, 98.456



91, 105.894, 125.566



53, 6.874, 106.462



72, 74.467, 98.535



25, 33.762, 99.269

Inverse Universe

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



34, 128.965, 305.373



33, 131.118, 305.726



40, 125.268, 310.479



49, 7.010, 288.487



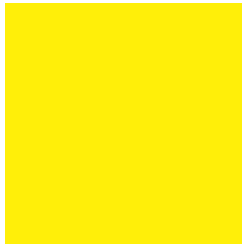
24, 104.870, 305.532



4, 42.065, 300.636

Previews

White Background



This preview shows how the CIELCh color 93, 91.860, 98.635 looks on a white background.

Color Contrast Check

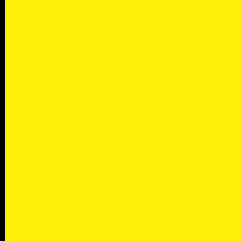
Large Text (above 18pt) WCAG AA × Fail

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, 91.860, 98.635 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, 91.860, 98.635

Background



This preview shows how black text looks on a background with the CIELCh color 93, 91.860, 98.635.

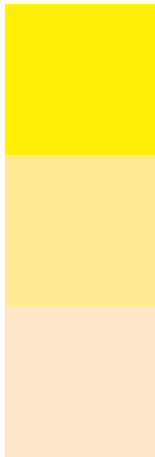


This preview shows how white text looks on a background with the CIELCh color 93, 91.860, 98.635.

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, 91.860, 98.635

Protanopia

93, 46.307, 96.398

Deuteranopia

93, 17.952, 78.428



Tritanopia
93, 10.757, 354.656

Trichromacy



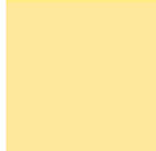
Original Color
93, 91.860, 98.635



Protanomaly
93, 69.154, 97.996



Deuteranomaly
92, 52.579, 96.514



Tritanomaly
92, 40.868, 93.835

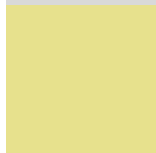
Monochromacy



Original Color
93, 91.860, 98.635



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 42.961, 103.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 91.860, 98.635 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, 239, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 9)  
}
```

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, 239, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 91.860, 98.635 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, 239, 9) }
```

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

```
.border{ border-color:rgb(255, 239, 9) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 91.860, 98.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 9) }
```

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

```
.background{ background-color: rgb(255,  
239, 9) }
```

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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