

Converting Colors

CIELCh(93, 92.203, 98.356)

Have a look what the booklet for
CIELCh(93, 92.203, 98.356) contains.

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Color

CIELCh(93, 92.228, 98.624)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF04
RGB	255, 239, 4
RGB Percent	100%, 94%, 2%
CMY	0.0002, 0.0629, 0.9848
CMYK	0.00, 0.06, 0.98, 0.00
HSL	56°, 100%, 51%
HSV	56°, 98%, 100%
XYZ	72.0970, 82.9670, 12.3244
YIQ	216.9940, 84.9710, -69.6930

Conversions

Conversions Part 2

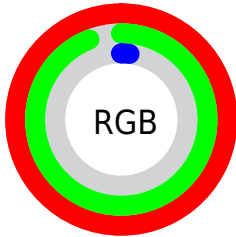
Format	Color
R _Y B	21, 255, 4
Decimal	16772868
CIE Lab	93.00, -13.83, 91.19
CIE LCh	93, 92.228, 98.624
Yxy	82.9670, 0.4307, 0.4957
Android (android.graphics.Color)	4294962948 (0xFFFFEF04)
YUV	216.9940, -105.0060, 33.3313
Hunter-Lab	91.0862, -18.1137, 55.7381

Details

The CIELCh color **93, 92.228, 98.624** 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 **33, 130.309, 305.603**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.384, 104.346**, and **73, 75.665, 99.451** is the 20% darker color. If you saturate the color by 10%, you get **93, 92.452, 98.548**, and if you desaturate by 10%, it is **93, 89.975, 99.176**.

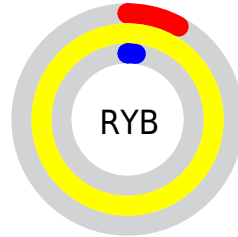
Distribution



Red (100%)

Green (94%)

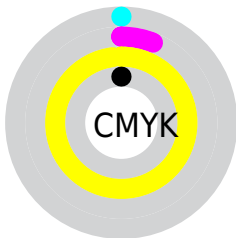
Blue (2%)



Red (8%)

Yellow (100%)

Blue (2%)

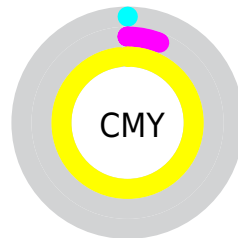


Cyan (0%)

Magenta (6%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 92.228, 98.624 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, 92.228, 98.624 by changing the saturation by 10% instead.

 93, 92.228, 98.624

 93, 92.228, 98.624

 100, 92.228,
98.624

 83, 92.228, 98.624

 73, 92.228, 98.624

 63, 92.228, 98.624

 53, 92.228, 98.624

 43, 92.228, 98.624

 33, 92.228, 98.624

 23, 92.228, 98.624

 13, 92.228, 98.624

 3, 92.228, 98.624

■ 93, 92.228, 98.624

■ 93, 92.228, 98.624

■ 93, 92.452, 98.548

■ 93, 89.975, 99.176

■ 94, 84.955, 99.842

■ 94, 77.420,
100.631

■ 95, 68.036,
101.524

■ 96, 57.439,
102.492

■ 97, 46.104,
103.508

■ 97, 34.343,
104.548

■ 98, 22.357,
105.593

■ 99, 10.267,
106.625

Harmonies

Complementary

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



93, 92.228, 98.624



33, 130.309, 305.603

Rectangle

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



93, 92.228, 98.624



93, 92.228, 148.624



93, 92.228, 278.624



93, 92.228, 328.624

Sweetspot

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



93, 92.227, 98.626



97, 36.152, 104.390



53, 101.046, 37.663



52, 24.604, 103.950



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, 92.227, 98.626



93, 92.465, 98.548



91, 106.523, 125.807



53, 6.883, 106.521



72, 74.533, 98.626



25, 33.796, 99.347

Inverse Universe

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



33, 130.309, 305.603



33, 131.185, 305.741



39, 126.147, 310.359



49, 7.020, 288.543



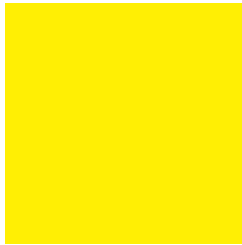
24, 104.933, 305.548



4, 42.105, 300.660

Previews

White Background



This preview shows how the CIELCh color 93, 92.228, 98.624 looks on a white background.

Color Contrast Check

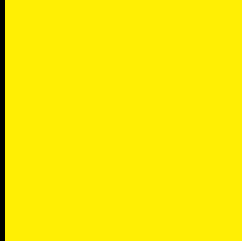
Large Text (above 18pt) WCAG AA × Fail

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, 92.228, 98.624 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, 92.228, 98.624

Background



This preview shows how black text looks on a background with the CIELCh color 93, 92.228, 98.624.



This preview shows how white text looks on a background with the CIELCh color 93, 92.228, 98.624.

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, 92.228, 98.624

Protanopia

93, 46.307, 96.398

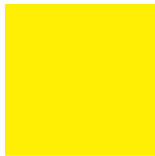
Deuteranopia

93, 17.952, 78.428



Tritanopia
93, 10.757, 354.656

Trichromacy



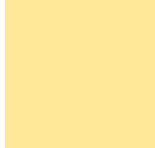
Original Color
93, 92.228, 98.624



Protanomaly
93, 69.560, 97.999



Deuteranomaly
92, 53.513, 96.587

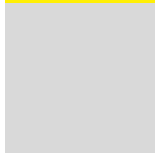


Tritanomaly
92, 41.838, 94.034

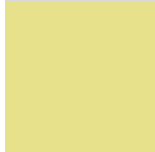
Monochromacy



Original Color
93, 92.228, 98.624



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 43.940, 103.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 92.228, 98.624 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 93, 92.228, 98.624 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, 4) }
```

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

```
.border{ border-color:rgb(255, 239, 4) }
```

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, 4)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 93, 92.228, 98.624 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, 4) }
```

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

```
.background{ background-color: rgb(255,  
239, 4) }
```

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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