

Converting Colors

CIELCh(89, 87.757, 98.638)

Have a look what the booklet for
CIELCh(89, 87.757, 98.638) contains.

CIELCh(89, 87.671, 98.444)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 87.671, 98.444)

Conversions

Conversions Part 1

Format	Color
Hex	F3E311
RGB	243, 227, 17
RGB Percent	95%, 89%, 7%
CMY	0.0463, 0.1091, 0.9352
CMYK	0.00, 0.07, 0.93, 0.05
HSL	56°, 91%, 51%
HSV	56°, 93%, 95%
XYZ	64.6449, 74.1641, 11.4182
YIQ	207.8440, 76.9460, -61.9180

Conversions

Conversions Part 2

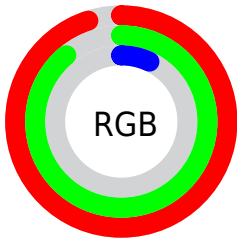
Format	Color
R _{YB}	34, 243, 17
Decimal	15983377
CIE Lab	89.00, -12.87, 86.72
CIE LCh	89, 87.671, 98.444
Yxy	74.1641, 0.4303, 0.4937
Android (android.graphics.Color)	4294173457 (0xFFFF3E311)
YUV	207.8440, -94.0861, 30.8318
Hunter-Lab	86.1186, -16.7165, 52.4220

Details

The CIELCh color **89, 87.671, 98.444** 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 **33, 121.252, 304.772**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.002, 104.374**, and **69, 72.283, 99.250** is the 20% darker color. If you saturate the color by 10%, you get **89, 88.782, 98.057**, and if you desaturate by 10%, it is **90, 84.079, 99.094**.

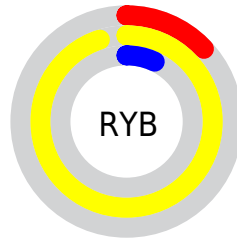
Distribution



Red (95%)

Green (89%)

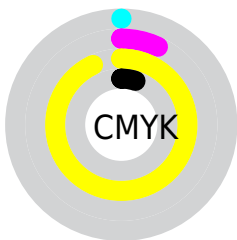
Blue (7%)



Red (13%)

Yellow (95%)

Blue (7%)

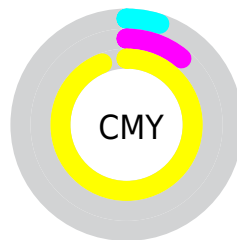


Cyan (0%)

Magenta (7%)

Yellow (93%)

Black (5%)



Cyan (5%)

Magenta (11%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 87.671, 98.444 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 89, 87.671, 98.444 by changing the saturation by 10% instead.

89, 87.671, 98.444

89, 87.671, 98.444

100, 87.671,
98.444

79, 87.671, 98.444

69, 87.671, 98.444

59, 87.671, 98.444

49, 87.671, 98.444

39, 87.671, 98.444

29, 87.671, 98.444

19, 87.671, 98.444

9, 87.671, 98.444

0, 87.671, 98.444

■ 89, 87.671, 98.444

■ 89, 87.671, 98.444

■ 89, 88.782, 98.057

■ 90, 84.079, 99.094

■ 90, 77.859, 99.857

■ 91, 69.571,
100.726

■ 91, 59.871,
101.678

■ 92, 49.288,
102.686

■ 93, 38.187,
103.725

■ 94, 26.801,
104.776

■ 95, 15.276,
105.821

Harmonies

Complementary

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



89, 87.671, 98.444



33, 121.252, 304.772

Rectangle

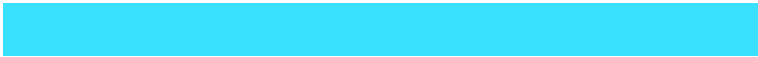
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 87.671, 98.444



89, 87.671, 148.444



89, 87.671, 278.444



89, 87.671, 328.444

Sweetspot

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



89, 87.670, 98.446



97, 33.550, 104.265



51, 92.988, 34.767



52, 23.113, 103.810



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 87.670, 98.446



92, 92.015, 98.044



87, 100.414, 124.486



51, 6.610, 106.204



70, 72.704, 98.141



22, 31.285, 99.155

Inverse Universe

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



33, 121.252, 304.772



33, 130.809, 305.661



38, 119.519, 310.353



47, 6.738, 288.230



23, 102.413, 305.431



4, 37.944, 298.583

Previews

White Background



This preview shows how the CIELCh color 89, 87.671, 98.444 looks on a white background.

Color Contrast Check

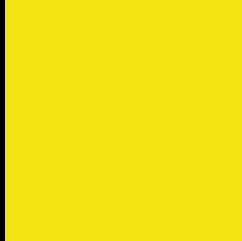
Large Text (above 18pt) WCAG AA × Fail

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 89, 87.671, 98.444 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 89, 87.671, 98.444

Background



This preview shows how black text looks on a background with the CIELCh color 89, 87.671, 98.444.



This preview shows how white text looks on a background with the CIELCh color 89, 87.671, 98.444.

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

89, 87.562, 98.447

Protanopia

89, 87.505, 94.981

Deuteranopia

89, 31.842, 80.057



Tritanopia
89, 17.464, 354.310

Trichromacy



Original Color
89, 87.562, 98.447

Protanomaly
89, 87.449, 96.140

Deuteranomaly
89, 57.474, 92.727

Tritanomaly
88, 37.751, 86.354



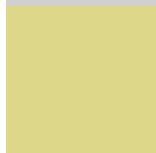
Monochromacy



Original Color
89, 87.562, 98.447



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 39.793, 103.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 87.671, 98.444 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(243, 227, 17)` looks like.

```
.text, #text, p{  
    color:rgb(243, 227, 17)  
}
```

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(243, 227, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 227, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 87.671, 98.444 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(243, 227, 17) }
```

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

```
.border{ border-color:rgb(243, 227, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 227, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 227, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 227, 17);  
box-shadow:4px 4px 4px 4px rgb(243, 227,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 87.671, 98.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 227, 17) }
```

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

```
.background{ background-color: rgb(243,  
227, 17) }
```

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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