

Converting Colors

CIELCh(89, 88.409, 93.314)

Have a look what the booklet for
CIELCh(89, 88.409, 93.314) contains.

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Color

CIELCh(89, 88.356, 93.837)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF06
RGB	255, 223, 6
RGB Percent	100%, 87%, 2%
CMY	0.0000, 0.1249, 0.9780
CMYK	0.00, 0.12, 0.98, 0.00
HSL	52°, 100%, 51%
HSV	52°, 98%, 100%
XYZ	67.7640, 74.1641, 10.9041
YIQ	207.8300, 88.7290, -60.7030

Conversions

Conversions Part 2

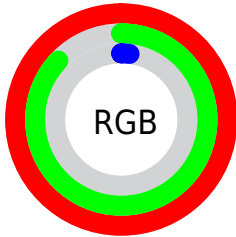
Format	Color
R _Y B	43, 255, 6
Decimal	16768774
CIE Lab	89.00, -5.91, 88.16
CIE LCh	89, 88.356, 93.837
Yxy	74.1641, 0.4434, 0.4853
Android (android.graphics.Color)	4294958854 (0xFFFFDF06)
YUV	207.8300, -99.5022, 41.3681
Hunter-Lab	86.1186, -10.2515, 52.7759

Details

The CIELCh color **89, 88.356, 93.837** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **35, 124.829, 304.407**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **69, 71.896, 93.690** is the 20% darker color. If you saturate the color by 10%, you get **89, 88.644, 93.669**, and if you desaturate by 10%, it is **90, 86.014, 94.878**.

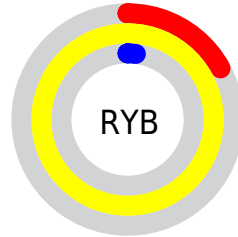
Distribution



Red (100%)

Green (87%)

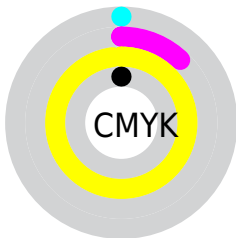
Blue (2%)



Red (17%)

Yellow (100%)

Blue (2%)

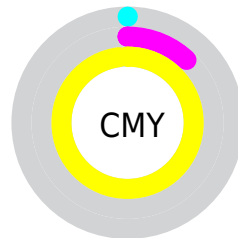


Cyan (0%)

Magenta (12%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 88.356, 93.837 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, 88.356, 93.837 by changing the saturation by 10% instead.

89, 88.356, 93.837

89, 88.356, 93.837

100, 88.356,
93.837

79, 88.356, 93.837

69, 88.356, 93.837

59, 88.356, 93.837

49, 88.356, 93.837

39, 88.356, 93.837

29, 88.356, 93.837

19, 88.356, 93.837

9, 88.356, 93.837

0, 88.356, 93.837

■ 89, 88.356, 93.837

■ 89, 88.356, 93.837

■ 89, 88.644, 93.669

■ 90, 86.014, 94.878

■ 91, 80.815, 95.879

■ 92, 73.200, 96.917

■ 93, 63.919, 97.996

■ 94, 53.612, 99.107

■ 95, 42.720,
100.234

■ 96, 31.526,
101.364

■ 98, 20.197,
102.482

■ 99, 8.833, 103.572

Harmonies

Complementary

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



89, 88.356, 93.837



35, 124.829, 304.407

Rectangle

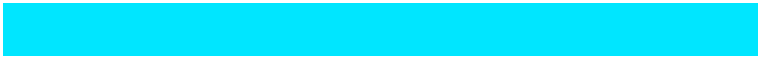
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 88.356, 93.837



89, 88.356, 143.837



89, 88.356, 273.837



89, 88.356, 323.837

Sweetspot

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



89, 88.342, 93.887



96, 32.883, 101.228



54, 96.719, 34.027



51, 22.536, 100.746



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, 88.342, 93.887



89, 88.644, 93.669



91, 103.990, 122.993



53, 6.445, 103.389



69, 71.493, 93.844



23, 32.153, 95.204

Inverse Universe

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



35, 124.829, 304.407



35, 126.692, 304.762



38, 127.526, 309.195



49, 6.550, 285.523



25, 100.938, 304.451



5, 40.066, 299.382

Previews

White Background



This preview shows how the CIELCh color 89, 88.356, 93.837 looks on a white background.

Color Contrast Check

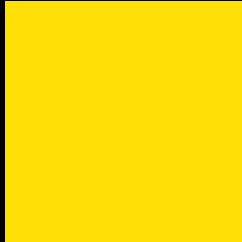
Large Text (above 18pt) WCAG AA × Fail

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, 88.356, 93.837 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, 88.356, 93.837

Background



This preview shows how black text looks on a background with the CIELCh color 89, 88.356, 93.837.



This preview shows how white text looks on a background with the CIELCh color 89, 88.356, 93.837.

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, 88.276, 93.835

Protanopia

89, 88.201, 94.986

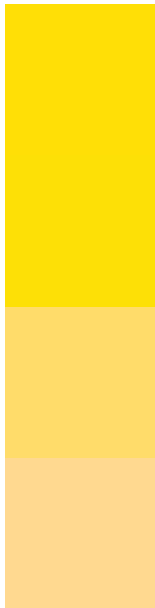
Deuteranopia

89, 31.842, 80.057



Tritanopia
89, 16.224, 2.027

Trichromacy



Original Color
89, 88.276, 93.835

Protanomaly
89, 88.349, 94.707

Deuteranomaly
89, 59.407, 90.858

Tritanomaly
88, 40.982, 84.596

Monochromacy



Original Color
89, 88.276, 93.835

Achromatopsia
83, 0.010, 296.813

Achromatomaly
85, 41.500, 100.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 88.356, 93.837 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, 223, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 6)  
}
```

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, 223, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 88.356, 93.837 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, 223, 6) }
```

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

```
.border{ border-color:rgb(255, 223, 6) }
```

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

Here you see how a box with a 4 pixel rgb(255, 223, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 88.356, 93.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 6) }
```

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

```
.background{ background-color: rgb(255,  
223, 6) }
```

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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