

Converting Colors

CIELCh(89, 82.409, 94.653)

Have a look what the booklet for
CIELCh(89, 82.409, 94.653) contains.

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Color

CIELCh(89, 82.554, 94.630)

Conversions

Conversions Part 1

Format	Color
Hex	FDE02C
RGB	253, 224, 44
RGB Percent	99%, 88%, 17%
CMY	0.0091, 0.1226, 0.8289
CMYK	0.00, 0.11, 0.83, 0.01
HSL	52°, 98%, 58%
HSV	52°, 83%, 99%
XYZ	67.4227, 74.1641, 13.1063
YIQ	212.1510, 75.0640, -49.8320

Conversions

Conversions Part 2

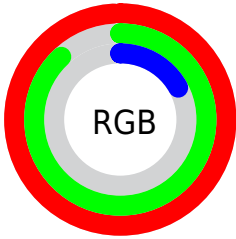
Format	Color
R_{YB}	78, 253, 44
Decimal	16637996
CIE _{Lab}	89.00, -6.66, 82.28
CIE _{LCh}	89, 82.554, 94.630
Yxy	74.1641, 0.4358, 0.4794
Android (android.graphics.Color)	4294828076 (0xFFFDE02C)
YUV	212.1510, -82.8984, 35.8246
Hunter-Lab	86.1186, -10.9590, 51.2597

Details

The CIELCh color **89, 82.554, 94.630** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **42, 105.644, 300.630**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 70.820, 104.763**, and **69, 72.044, 94.459** is the 20% darker color. If you saturate the color by 10%, you get **88, 86.332, 93.574**, and if you desaturate by 10%, it is **90, 76.074, 95.699**.

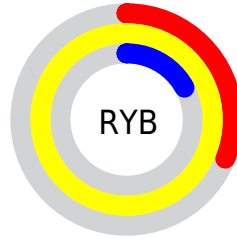
Distribution



Red (99%)

Green (88%)

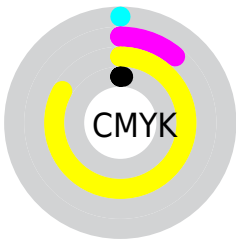
Blue (17%)



Red (31%)

Yellow (99%)

Blue (17%)

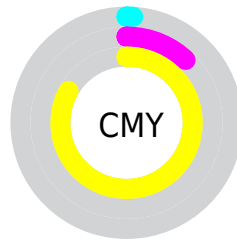


Cyan (0%)

Magenta (11%)

Yellow (83%)

Black (1%)



Cyan (1%)

Magenta (12%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 82.554, 94.630 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, 82.554, 94.630 by changing the saturation by 10% instead.

 89, 82.554, 94.630

 89, 82.554, 94.630

 100, 82.554,
94.630

 79, 82.554, 94.630

 69, 82.554, 94.630

 59, 82.554, 94.630

 49, 82.554, 94.630

 39, 82.554, 94.630

 29, 82.554, 94.630

 19, 82.554, 94.630

 9, 82.554, 94.630

 0, 82.554, 94.630

■ 89, 82.554, 94.630

■ 89, 82.554, 94.630

■ 88, 86.332, 93.574

■ 90, 76.074, 95.699

■ 87, 87.468, 92.793

■ 91, 67.598, 96.793

■ 92, 57.841, 97.916

■ 93, 47.338, 99.057

■ 95, 36.434,
100.204

■ 96, 25.340,
101.343

■ 97, 14.183,
102.461

■ 99, 3.033, 103.517

■ 100, 0.803,
200.179

Harmonies

Complementary

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



89, 82.554, 94.630



42, 105.644, 300.630

Rectangle

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



89, 82.554, 94.630



89, 82.554, 144.630



89, 82.554, 274.630



89, 82.554, 324.630

Sweetspot

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



89, 82.553, 94.632



96, 28.066, 101.085



55, 83.819, 25.454



51, 19.140, 100.685



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, 82.553, 94.632



88, 87.932, 92.895



92, 96.116, 120.884



53, 6.372, 102.814



68, 71.035, 92.981



23, 31.887, 94.450

Inverse Universe

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



42, 105.644, 300.630



35, 124.842, 304.373



42, 116.045, 309.175



49, 6.473, 284.969



25, 100.088, 304.208



5, 39.719, 299.146

Previews

White Background



This preview shows how the CIELCh color 89, 82.554, 94.630 looks on a white background.

Color Contrast Check

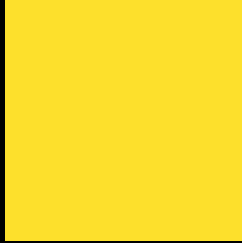
Large Text (above 18pt) WCAG AA × Fail

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, 82.554, 94.630 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, 82.554, 94.630

Background



This preview shows how black text looks on a background with the CIELCh color 89, 82.554, 94.630.



This preview shows how white text looks on a background with the CIELCh color 89, 82.554, 94.630.

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, 82.554, 94.630

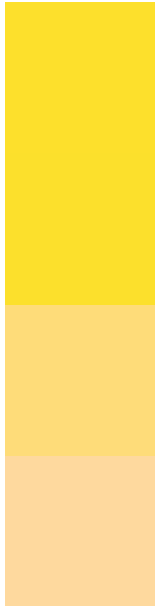
Protanopia
89, 82.480, 94.927

Deuteranopia
89, 31.378, 79.694



Tritanopia
89, 16.373, 0.293

Trichromacy



Original Color
89, 82.554, 94.630

Protanomaly
89, 82.480, 94.927

Deuteranomaly
89, 52.494, 90.171

Tritanomaly
89, 34.205, 81.683

Monochromacy



Original Color
89, 82.554, 94.630

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 33.952, 99.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 82.554, 94.630 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(253, 224, 44)` looks like.

```
.text, #text, p{  
    color:rgb(253, 224, 44)  
}
```

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(253, 224, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 224, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 82.554, 94.630 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(253, 224, 44) }
```

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

```
.border{ border-color:rgb(253, 224, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 224, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 224, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 224, 44);  
box-shadow:4px 4px 4px 4px rgb(253, 224,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 82.554, 94.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 224, 44) }
```

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

```
.background{ background-color: rgb(253,  
224, 44) }
```

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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