

Converting Colors

CIELCh(89, 80.220, 93.041)

Have a look what the booklet for
CIELCh(89, 80.220, 93.041) contains.

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Color

CIELCh(89, 80.122, 93.286)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF35
RGB	255, 223, 53
RGB Percent	100%, 87%, 21%
CMY	0.0000, 0.1272, 0.7934
CMYK	0.00, 0.13, 0.79, 0.00
HSL	50°, 100%, 60%
HSV	50°, 79%, 100%
XYZ	68.3666, 74.1641, 14.0412
YIQ	213.1880, 73.6420, -46.0860

Conversions

Conversions Part 2

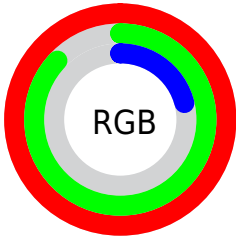
Format	Color
R _Y B	91, 255, 53
Decimal	16768821
CIE Lab	89.00, -4.59, 79.99
CIE LCh	89, 80.122, 93.286
Yxy	74.1641, 0.4366, 0.4737
Android (android.graphics.Color)	4294958901 (0xFFFFDF35)
YUV	213.1880, -78.9727, 36.6691
Hunter-Lab	86.1186, -9.0026, 50.6161

Details

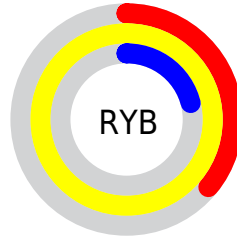
The CIELCh color **89, 80.122, 93.286** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **45, 99.207, 298.870**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.311, 104.953**, and **69, 71.979, 93.330** is the 20% darker color. If you saturate the color by 10%, you get **88, 84.885, 92.293**, and if you desaturate by 10%, it is **90, 72.765, 94.636**.

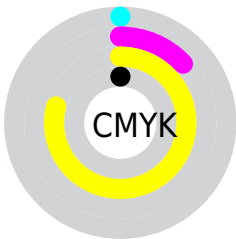
Distribution



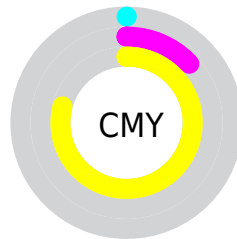
- Red (100%)
- Green (87%)
- Blue (21%)



- Red (36%)
- Yellow (100%)
- Blue (21%)



- Cyan (0%)
- Magenta (13%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 80.122, 93.286 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, 80.122, 93.286 by changing the saturation by 10% instead.

 89, 80.122, 93.286

 89, 80.122, 93.286

 100, 80.122,
93.286

 79, 80.122, 93.286

 69, 80.122, 93.286

 59, 80.122, 93.286

 49, 80.122, 93.286

 39, 80.122, 93.286

 29, 80.122, 93.286

 19, 80.122, 93.286

 9, 80.122, 93.286

 0, 80.122, 93.286

■ 89, 80.122, 93.286

■ 89, 80.122, 93.286

■ 88, 84.885, 92.293

■ 90, 72.765, 94.636

■ 87, 86.899, 91.052

■ 91, 63.760, 95.806

■ 87, 86.992, 90.970

■ 93, 53.724, 96.985

■ 94, 43.121, 98.169

■ 95, 32.235, 99.346

■ 97, 21.240,
100.506

■ 98, 10.231,
101.636

100, 0.012,
296.813

Harmonies

Complementary

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



89, 80.122, 93.286



45, 99.207, 298.870

Rectangle

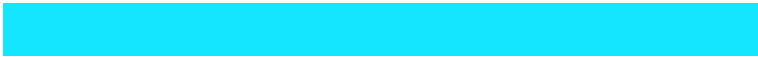
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 80.122, 93.286



89, 80.122, 143.286



89, 80.122, 273.286



89, 80.122, 323.286

Sweetspot

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



89, 80.068, 93.473



96, 26.371, 99.968



57, 80.912, 22.633



51, 18.117, 99.554



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, 80.068, 93.473



87, 86.296, 91.598



93, 94.080, 120.015



52, 6.229, 101.617



67, 70.172, 91.201



23, 31.365, 92.887

Inverse Universe

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



45, 99.207, 298.870



37, 118.578, 302.999



44, 113.415, 308.738



49, 6.318, 283.813



26, 98.242, 303.667



5, 39.023, 298.654

Previews

White Background



This preview shows how the CIELCh color 89, 80.122, 93.286 looks on a white background.

Color Contrast Check

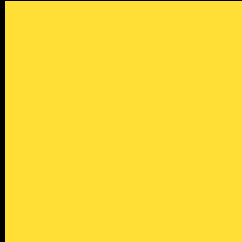
Large Text (above 18pt) WCAG AA × Fail

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, 80.122, 93.286 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, 80.122, 93.286

Background



This preview shows how black text looks on a background with the CIELCh color 89, 80.122, 93.286.



This preview shows how white text looks on a background with the CIELCh color 89, 80.122, 93.286.

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, 80.091, 93.625

Protanopia

89, 80.033, 95.190

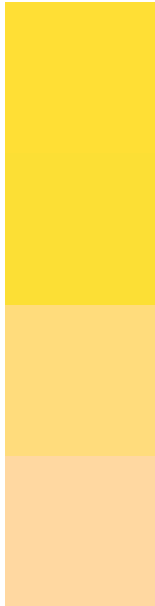
Deuteranopia

89, 31.378, 79.694



Tritanopia
89, 16.737, 0.780

Trichromacy



Original Color
89, 80.091, 93.625

Protanomaly
89, 79.844, 94.541

Deuteranomaly
89, 51.234, 89.449

Tritanomaly
88, 32.772, 79.124

Monochromacy



Original Color
89, 80.091, 93.625

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 31.995, 98.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 80.122, 93.286 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 80.122, 93.286 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, 53) }
```

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

```
.border{ border-color:rgb(255, 223, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 80.122, 93.286 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, 53) }
```

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

```
.background{ background-color: rgb(255,  
223, 53) }
```

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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