

Converting Colors

CIELCh(89, 74.585, 92.648)

Have a look what the booklet for
CIELCh(89, 74.585, 92.648) contains.

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Color

CIELCh(89, 74.421, 93.025)

Conversions

Conversions Part 1

Format	Color
Hex	FFDE46
RGB	255, 222, 70
RGB Percent	100%, 87%, 27%
CMY	0.0000, 0.1282, 0.7243
CMYK	0.00, 0.13, 0.72, 0.00
HSL	49°, 100%, 64%
HSV	49°, 72%, 100%
XYZ	68.6716, 74.1641, 16.5414
YIQ	214.5390, 68.4600, -40.2760

Conversions

Conversions Part 2

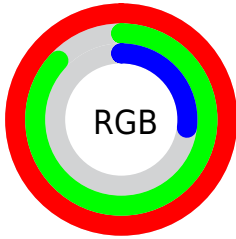
Format	Color
RYB	110, 255, 70
Decimal	16768582
CIELab	89.00, -3.93, 74.32
CIELCh	89, 74.421, 93.025
Yxy	74.1641, 0.4309, 0.4653
Android (android.graphics.Color)	4294958662 (0xFFFFDE46)
YUV	214.5390, -71.2577, 35.4843
Hunter-Lab	86.1186, -8.3703, 48.8948

Details

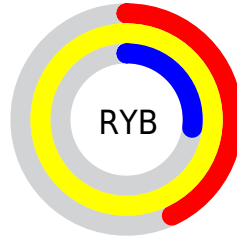
The CIELCh color **89, 74.421, 93.025** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **50, 87.874, 296.147**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.662, 105.382**, and **69, 71.763, 92.918** is the 20% darker color. If you saturate the color by 10%, you get **88, 81.035, 91.892**, and if you desaturate by 10%, it is **90, 65.841, 94.351**.

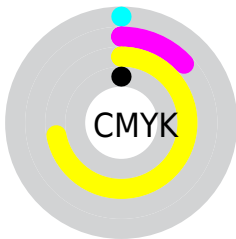
Distribution



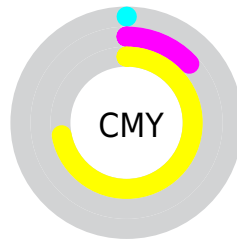
- Red (100%)
- Green (87%)
- Blue (27%)



- Red (43%)
- Yellow (100%)
- Blue (27%)



- Cyan (0%)
- Magenta (13%)
- Yellow (72%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 74.421, 93.025 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, 74.421, 93.025 by changing the saturation by 10% instead.

 89, 74.421, 93.025

 89, 74.421, 93.025

 100, 74.421,
93.025

 79, 74.421, 93.025

 69, 74.421, 93.025

 59, 74.421, 93.025

 49, 74.421, 93.025

 39, 74.421, 93.025

 29, 74.421, 93.025

 19, 74.421, 93.025

 9, 74.421, 93.025

 0, 74.421, 93.025

89, 74.421, 93.025

89, 74.421, 93.025

88, 81.035, 91.892

90, 65.841, 94.351

87, 84.998, 90.592

92, 56.120, 95.567

86, 86.236, 89.540

93, 45.749, 96.781

95, 35.056, 97.987

96, 24.233, 99.175

98, 13.393,
100.333

100, 2.597,
101.411

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, 74.421, 93.025



50, 87.874, 296.147

Rectangle

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



89, 74.421, 93.025



89, 74.421, 143.025



89, 74.421, 273.025



89, 74.421, 323.025

Sweetspot

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



89, 74.391, 93.131



96, 23.771, 99.225



59, 74.359, 18.425



51, 15.979, 98.905



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, 74.391, 93.131



87, 83.218, 91.309



93, 88.207, 119.146



52, 6.121, 100.664



66, 69.565, 89.802



22, 30.979, 91.650

Inverse Universe

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



50, 87.874, 296.147



42, 107.103, 300.383



47, 104.941, 308.007



49, 6.202, 282.891



26, 96.712, 303.205



6, 38.468, 298.244

Previews

White Background



This preview shows how the CIELCh color 89, 74.421, 93.025 looks on a white background.

Color Contrast Check

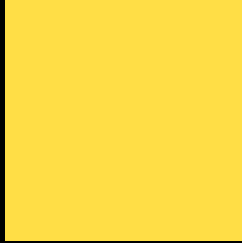
Large Text (above 18pt) WCAG AA × Fail

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, 74.421, 93.025 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, 74.421, 93.025

Background



This preview shows how black text looks on a background with the CIELCh color 89, 74.421, 93.025.



This preview shows how white text looks on a background with the CIELCh color 89, 74.421, 93.025.

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, 74.421, 93.025

Protanopia

89, 74.204, 95.387

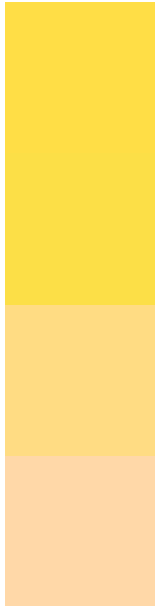
Deuteranopia

89, 30.916, 79.319



Tritanopia
89, 16.373, 0.293

Trichromacy



Original Color
89, 74.421, 93.025

Protanomaly
89, 74.075, 94.362

Deuteranomaly
89, 47.963, 88.687

Tritanomaly
89, 29.577, 76.320

Monochromacy



Original Color
89, 74.421, 93.025

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 29.418, 98.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 74.421, 93.025 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, 222, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 70)  
}
```

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, 222, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 74.421, 93.025 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, 222, 70) }
```

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

```
.border{ border-color:rgb(255, 222, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 74.421, 93.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 70) }
```

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

```
.background{ background-color: rgb(255,  
222, 70) }
```

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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