

Converting Colors

CIELCh(86, 86.435, 89.930)

Have a look what the booklet for
CIELCh(86, 86.435, 89.930) contains.

CIELCh(86, 86.348, 89.925)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(86, 86.348, 89.925)

Conversions

Conversions Part 1

Format	Color
Hex	FFD302
RGB	255, 211, 2
RGB Percent	100%, 83%, 1%
CMY	0.0000, 0.1718, 0.9934
CMYK	0.00, 0.17, 0.99, 0.00
HSL	50°, 100%, 50%
HSV	50°, 99%, 100%
XYZ	64.6696, 67.9871, 9.7621
YIQ	200.3300, 93.3130, -55.6710

Conversions

Conversions Part 2

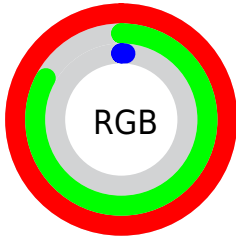
Format	Color
RYB	55, 255, 2
Decimal	16765698
CIELab	86.00, 0.11, 86.35
CIELCh	86, 86.348, 89.925
Yxy	67.9871, 0.4541, 0.4774
Android (android.graphics.Color)	4294955778 (0xFFFFD302)
YUV	200.3300, -97.7767, 47.9456
Hunter-Lab	82.4543, -4.2961, 50.6984

Details

The CIELCh color **86, 86.348, 89.925** 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 **36, 121.536, 303.583**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.626, 104.179**, and **66, 69.711, 88.986** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.418, 89.898**, and if you desaturate by 10%, it is **87, 84.287, 91.327**.

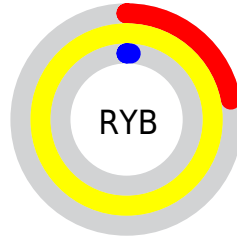
Distribution



Red (100%)

Green (83%)

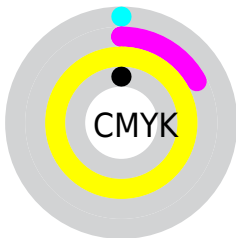
Blue (1%)



Red (22%)

Yellow (100%)

Blue (1%)

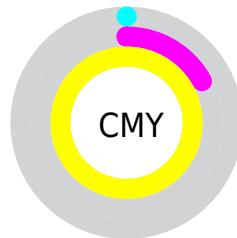


Cyan (0%)

Magenta (17%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 86.348, 89.925 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 86, 86.348, 89.925 by changing the saturation by 10% instead.

 86, 86.348, 89.925

 86, 86.348, 89.925

 100, 86.348,
89.925

 76, 86.348, 89.925

 66, 86.348, 89.925

 56, 86.348, 89.925

 46, 86.348, 89.925

 36, 86.348, 89.925

 26, 86.348, 89.925

 16, 86.348, 89.925

 6, 86.348, 89.925

 0, 86.348, 89.925

■ 86, 86.348, 89.925

■ 86, 86.348, 89.925

■ 86, 86.418, 89.898

■ 87, 84.287, 91.327

■ 88, 79.439, 92.578

■ 90, 72.123, 93.791

■ 91, 63.137, 94.997

■ 92, 53.153, 96.204

■ 94, 42.629, 97.410

■ 95, 31.847, 98.605

■ 97, 20.971, 99.780

■ 98, 10.095,
100.922

Harmonies

Complementary

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



86, 86.348, 89.925



36, 121.536, 303.583

Rectangle

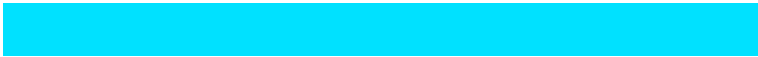
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 86.348, 89.925



86, 86.348, 139.925



86, 86.348, 269.925



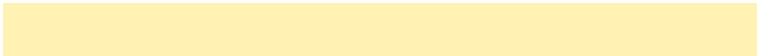
86, 86.348, 319.925

Sweetspot

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



86, 86.323, 89.988



95, 32.566, 98.526



54, 94.548, 31.486



50, 22.209, 98.024



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 86.323, 89.988



86, 86.418, 89.898



92, 102.759, 120.896



52, 6.148, 100.903



66, 69.711, 90.152



22, 31.073, 91.960

Inverse Universe

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



36, 121.536, 303.583



36, 122.171, 303.715



36, 129.457, 308.385



49, 6.231, 283.123



26, 97.101, 303.324



5, 38.609, 298.350

Previews

White Background



This preview shows how the CIELCh color 86, 86.348, 89.925 looks on a white background.

Color Contrast Check

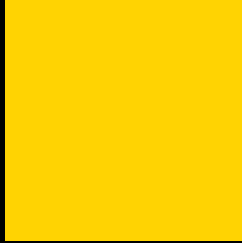
Large Text (above 18pt) WCAG AA × Fail

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 86, 86.348, 89.925 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 86, 86.348, 89.925

Background



This preview shows how black text looks on a background with the CIELCh color 86, 86.348, 89.925.



This preview shows how white text looks on a background with the CIELCh color 86, 86.348, 89.925.

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

86, 86.262, 89.920

Protanopia

86, 85.517, 95.001

Deuteranopia

86, 44.869, 80.701



Tritanopia
86, 20.858, 5.156

Trichromacy



Original Color
86, 86.262, 89.920

Protanomaly
86, 85.632, 93.192

Deuteranomaly
86, 65.849, 87.081

Tritanomaly
85, 41.971, 77.250

Monochromacy



Original Color
86, 86.262, 89.920

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 40.134, 97.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 86.348, 89.925 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, 211, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 2)  
}
```

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, 211, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 86.348, 89.925 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, 211, 2) }
```

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

```
.border{ border-color:rgb(255, 211, 2) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 86.348, 89.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 2) }
```

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

```
.background{ background-color: rgb(255,  
211, 2) }
```

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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