

Converting Colors

CIELCh(87, 82.766, 91.002)

Have a look what the booklet for
CIELCh(87, 82.766, 91.002) contains.

CIELCh(87, 82.692, 91.040)	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(87, 82.692, 91.040)

Conversions

Conversions Part 1

Format	Color
Hex	FFD723
RGB	255, 215, 35
RGB Percent	100%, 84%, 14%
CMY	0.0000, 0.1567, 0.8625
CMYK	0.00, 0.16, 0.86, 0.00
HSL	49°, 100%, 57%
HSV	49°, 86%, 100%
XYZ	65.8664, 70.0064, 11.6353
YIQ	206.4400, 81.6200, -47.5000

Conversions

Conversions Part 2

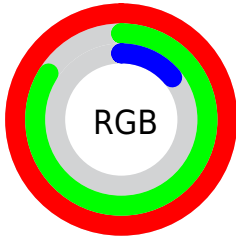
Format	Color
R _Y B	84, 255, 35
Decimal	16766755
CIE Lab	87.00, -1.50, 82.68
CIE LCh	87, 82.692, 91.040
Yxy	70.0064, 0.4465, 0.4746
Android (android.graphics.Color)	4294956835 (0xFFFFD723)
YUV	206.4400, -84.5199, 42.5871
Hunter-Lab	83.6698, -5.9037, 50.3239

Details

The CIELCh color **87, 82.692, 91.040** 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, 105.562, 299.994**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 73.656, 104.550**, and **67, 70.442, 90.740** is the 20% darker color. If you saturate the color by 10%, you get **86, 85.509, 89.678**, and if you desaturate by 10%, it is **88, 76.975, 92.332**.

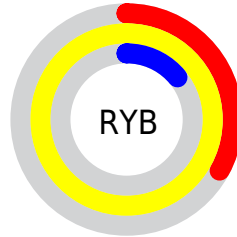
Distribution



Red (100%)

Green (84%)

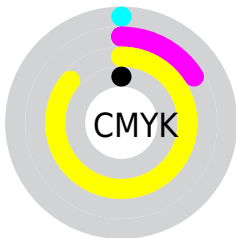
Blue (14%)



Red (33%)

Yellow (100%)

Blue (14%)

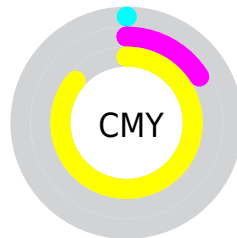


Cyan (0%)

Magenta (16%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 82.692, 91.040 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 87, 82.692, 91.040 by changing the saturation by 10% instead.

87, 82.692, 91.040

87, 82.692, 91.040

100, 82.692,
91.040

77, 82.692, 91.040

67, 82.692, 91.040

57, 82.692, 91.040

47, 82.692, 91.040

37, 82.692, 91.040

27, 82.692, 91.040

17, 82.692, 91.040

7, 82.692, 91.040

0, 82.692, 91.040

87, 82.692, 91.040

87, 82.692, 91.040

86, 85.509, 89.678

88, 76.975, 92.332

85, 86.039, 89.140

90, 69.055, 93.572

91, 59.718, 94.801

92, 49.570, 96.026

94, 39.002, 97.243

96, 28.251, 98.445

97, 17.453, 99.622

99, 6.685, 100.755

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.



87, 82.692, 91.040



42, 105.562, 299.994

Rectangle

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



87, 82.692, 91.040



87, 82.692, 141.040



87, 82.692, 271.040



87, 82.692, 321.040

Sweetspot

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



87, 82.687, 91.053



96, 27.982, 98.475



55, 85.761, 24.630



50, 18.972, 98.061



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 82.687, 91.053



85, 86.039, 89.140



93, 97.965, 119.632



52, 6.091, 100.394



66, 69.406, 89.409



22, 30.874, 91.301

Inverse Universe

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



42, 105.562, 299.994



36, 121.180, 303.476



40, 120.885, 308.618



49, 6.170, 282.630



27, 96.273, 303.070



6, 38.309, 298.123

Previews

White Background



This preview shows how the CIELCh color 87, 82.692, 91.040 looks on a white background.

Color Contrast Check

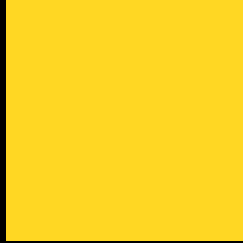
Large Text (above 18pt) WCAG AA × Fail

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 87, 82.692, 91.040 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 87, 82.692, 91.040

Background



This preview shows how black text looks on a background with the CIELCh color 87, 82.692, 91.040.



This preview shows how white text looks on a background with the CIELCh color 87, 82.692, 91.040.

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

87, 82.692, 91.040

Protanopia

87, 82.607, 95.071

Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 19.335, 3.742

Trichromacy



Original Color
87, 82.692, 91.040

Protanomaly
87, 82.591, 93.840

Deuteranomaly
87, 58.106, 86.995

Tritanomaly
87, 36.365, 76.333

Monochromacy



Original Color
87, 82.692, 91.040

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 34.410, 96.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 82.692, 91.040 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, 215, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 35)  
}
```

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, 215, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 82.692, 91.040 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, 215, 35) }
```

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

```
.border{ border-color:rgb(255, 215, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 82.692, 91.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 35) }
```

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

```
.background{ background-color: rgb(255,  
215, 35) }
```

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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