

Converting Colors

CIELCh(87, 85.107, 90.996)

Have a look what the booklet for
CIELCh(87, 85.107, 90.996) contains.

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Color

CIELCh(87, 85.110, 91.168)

Conversions

Conversions Part 1

Format	Color
Hex	FFD715
RGB	255, 215, 21
RGB Percent	100%, 84%, 8%
CMY	0.0000, 0.1563, 0.9165
CMYK	0.00, 0.16, 0.92, 0.00
HSL	50°, 100%, 54%
HSV	50°, 92%, 100%
XYZ	65.7620, 70.0064, 10.7698
YIQ	204.8440, 86.1140, -51.8540

Conversions

Conversions Part 2

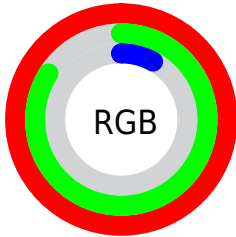
Format	Color
R _Y B	69, 255, 21
Decimal	16766741
CIE Lab	87.00, -1.73, 85.09
CIE LCh	87, 85.110, 91.168
Yxy	70.0064, 0.4488, 0.4777
Android (android.graphics.Color)	4294956821 (0xFFFFD715)
YUV	204.8440, -90.6351, 43.9868
Hunter-Lab	83.6698, -6.1265, 50.9372

Details

The CIELCh color **87, 85.110, 91.168** 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 **39, 113.580, 301.862**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.002, 104.374**, and **67, 70.442, 90.740** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.522, 90.098**, and if you desaturate by 10%, it is **88, 80.920, 92.464**.

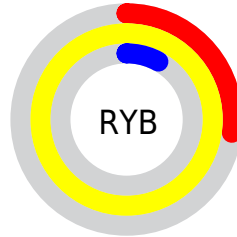
Distribution



Red (100%)

Green (84%)

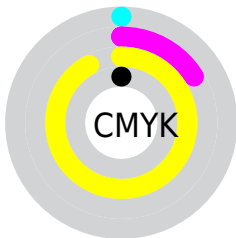
Blue (8%)



Red (27%)

Yellow (100%)

Blue (8%)

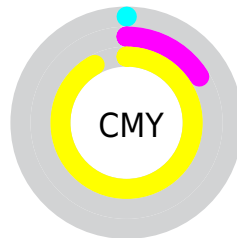


Cyan (0%)

Magenta (16%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 85.110, 91.168 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, 85.110, 91.168 by changing the saturation by 10% instead.

 87, 85.110, 91.168

 87, 85.110, 91.168

 100, 85.110,
91.168

 77, 85.110, 91.168

 67, 85.110, 91.168

 57, 85.110, 91.168

 47, 85.110, 91.168

 37, 85.110, 91.168

 27, 85.110, 91.168

 17, 85.110, 91.168

 7, 85.110, 91.168

 0, 85.110, 91.168

87, 85.110, 91.168

87, 85.110, 91.168

86, 86.522, 90.098

88, 80.920, 92.464

89, 74.108, 93.673

91, 65.438, 94.871

92, 55.629, 96.073

93, 45.186, 97.275

95, 34.427, 98.470

96, 23.540, 99.648

98, 12.635,
100.797

100, 1.772,
101.837

Harmonies

Complementary

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



87, 85.110, 91.168



39, 113.580, 301.862

Rectangle

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



87, 85.110, 91.168



87, 85.110, 141.168



87, 85.110, 271.168



87, 85.110, 321.168

Sweetspot

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



87, 85.095, 91.211



96, 29.375, 99.020



54, 89.585, 27.427



50, 19.793, 98.616



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, 85.095, 91.211



86, 86.522, 90.098



92, 100.425, 120.064



52, 6.163, 101.037



66, 69.795, 90.348



22, 31.127, 92.134

Inverse Universe

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



39, 113.580, 301.862



36, 122.429, 303.776



38, 125.247, 308.619



49, 6.247, 283.253



26, 97.317, 303.389



5, 38.687, 298.408

Previews

White Background



This preview shows how the CIELCh color 87, 85.110, 91.168 looks on a white background.

Color Contrast Check

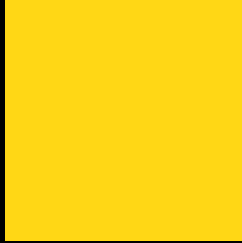
Large Text (above 18pt) WCAG AA × Fail

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, 85.110, 91.168 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, 85.110, 91.168

Background



This preview shows how black text looks on a background with the CIELCh color 87, 85.110, 91.168.



This preview shows how white text looks on a background with the CIELCh color 87, 85.110, 91.168.

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, 85.110, 91.168

Protanopia

87, 84.932, 95.093

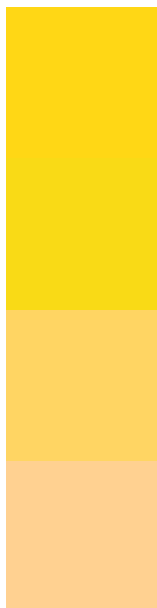
Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 19.335, 3.742

Trichromacy



Original Color
87, 85.110, 91.168

Protanomaly
87, 85.064, 93.896

Deuteranomaly
87, 60.548, 87.918

Tritanomaly
86, 38.642, 77.937

Monochromacy



Original Color
87, 85.110, 91.168

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 37.347, 98.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 85.110, 91.168 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 85.110, 91.168 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, 21) }
```

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

```
.border{ border-color:rgb(255, 215, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 85.110, 91.168 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, 21) }
```

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

```
.background{ background-color: rgb(255,  
215, 21) }
```

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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