

Converting Colors

CIELCh(87, 87.073, 91.264)

Have a look what the booklet for
CIELCh(87, 87.073, 91.264) contains.

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Color

CIELCh(87, 86.989, 91.257)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFD703 |
| RGB | 255, 215, 3 |
| RGB Percent | 100%, 84%, 1% |
| CMY | 0.0000, 0.1561, 0.9894 |
| CMYK | 0.00, 0.16, 0.99, 0.00 |
| HSL | 51°, 100%, 51% |
| HSV | 51°, 99%, 100% |
| XYZ | 65.6847, 70.0064, 10.1278 |
| YIQ | 202.7920, 91.8920, -57.4520 |

Conversions

Conversions Part 2

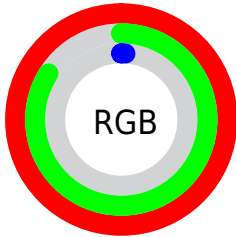
| Format | Color |
|-------------------------------------|---|
| RYB | 51, 255, 3 |
| Decimal | 16766723 |
| CIELab | 87.00, -1.91, 86.97 |
| CIELCh | 87, 86.989, 91.257 |
| Yxy | 70.0064, 0.4505, 0.4801 |
| Android (android.graphics.Color) | 4294956803 (0xFFFFD703) |
| YUV | 202.7920, -98.4975, 45.7864 |
| Hunter-Lab | 83.6698, -6.2915, 51.3921 |

Details

The CIELCh color **87, 86.989, 91.257** 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, 122.818, 303.902**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **67, 70.442, 90.740** is the 20% darker color. If you saturate the color by 10%, you get **87, 87.116, 91.189**, and if you desaturate by 10%, it is **88, 84.875, 92.539**.

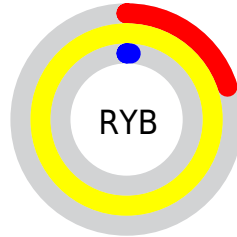
Distribution



Red (100%)

Green (84%)

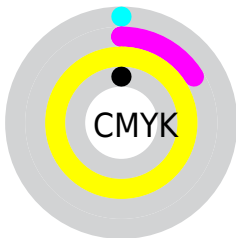
Blue (1%)



Red (20%)

Yellow (100%)

Blue (1%)

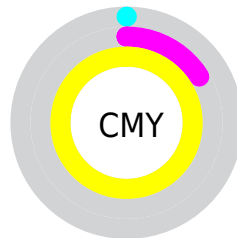


Cyan (0%)

Magenta (16%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 86.989, 91.257 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, 86.989, 91.257 by changing the saturation by 10% instead.

87, 86.989, 91.257

87, 86.989, 91.257

100, 86.989,
91.257

77, 86.989, 91.257

67, 86.989, 91.257

57, 86.989, 91.257

47, 86.989, 91.257

37, 86.989, 91.257

27, 86.989, 91.257

17, 86.989, 91.257

7, 86.989, 91.257

0, 86.989, 91.257

87, 86.989, 91.257

87, 86.989, 91.257

87, 87.116, 91.189

88, 84.875, 92.539

89, 79.949, 93.703

90, 72.564, 94.856

92, 63.501, 96.019

93, 53.423, 97.193

94, 42.786, 98.372

96, 31.872, 99.545

97, 20.849,
100.701

99, 9.814, 101.826

Harmonies

Complementary

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



87, 86.989, 91.257



36, 122.818, 303.902

Rectangle

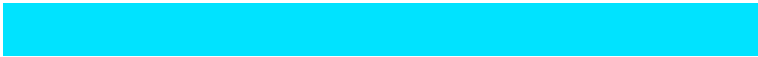
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 86.989, 91.257



87, 86.989, 141.257



87, 86.989, 271.257



87, 86.989, 321.257

Sweetspot

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



87, 86.966, 91.321



95, 33.042, 99.420



53, 95.354, 32.435



50, 22.526, 98.927



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, 86.966, 91.321



87, 87.116, 91.189



92, 103.196, 121.631



52, 6.246, 101.763



67, 70.271, 91.416



23, 31.426, 93.077

Inverse Universe

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



36, 122.818, 303.902



36, 123.801, 304.100



37, 128.874, 308.632



49, 6.337, 283.954



26, 98.471, 303.735



5, 39.106, 298.714

Previews

White Background



This preview shows how the CIELCh color 87, 86.989, 91.257 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, 86.989, 91.257 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, 86.989, 91.257

Background



This preview shows how black text looks on a background with the CIELCh color 87, 86.989, 91.257.



This preview shows how white text looks on a background with the CIELCh color 87, 86.989, 91.257.

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, 86.904, 91.254

Protanopia

87, 86.493, 95.103

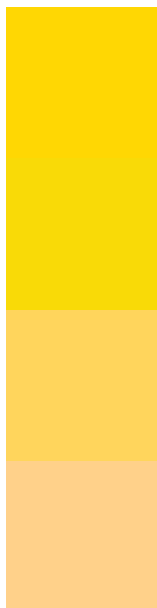
Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 19.335, 3.742

Trichromacy



Original Color
87, 86.904, 91.254

Protanomaly
87, 86.650, 93.926

Deuteranomaly
87, 63.531, 88.409

Tritanomaly
86, 41.859, 79.837

Monochromacy



Original Color
87, 86.904, 91.254

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 40.464, 97.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 86.989, 91.257 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 86.989, 91.257 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, 3) }
```

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

```
.border{ border-color:rgb(255, 215, 3) }
```

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, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 86.989, 91.257 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, 3) }
```

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

```
.background{ background-color: rgb(255,  
215, 3) }
```

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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