

Converting Colors

CIELCh(87, 86.747, 92.810)

Have a look what the booklet for
CIELCh(87, 86.747, 92.810) contains.

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Color

CIELCh(87, 86.765, 93.036)

Conversions

Conversions Part 1

Format	Color
Hex	FBD904
RGB	251, 217, 4
RGB Percent	98%, 85%, 2%
CMY	0.0165, 0.1497, 0.9830
CMYK	0.00, 0.14, 0.98, 0.02
HSL	52°, 97%, 50%
HSV	52°, 98%, 98%
XYZ	64.4941, 70.0064, 10.2371
YIQ	202.8840, 88.6370, -59.0350

Conversions

Conversions Part 2

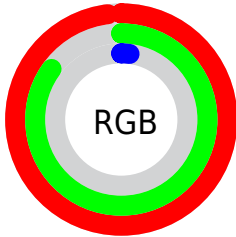
Format	Color
R _Y B	43, 251, 4
Decimal	16505092
CIE Lab	87.00, -4.60, 86.64
CIE LCh	87, 86.765, 93.036
Yxy	70.0064, 0.4456, 0.4837
Android (android.graphics.Color)	4294695172 (0xFFFB904)
YUV	202.8840, -98.0498, 42.1977
Hunter-Lab	83.6698, -8.8314, 51.3147

Details

The CIELCh color **87, 86.765, 93.036** 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 **35, 122.625, 304.244**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **67, 70.455, 93.067** is the 20% darker color. If you saturate the color by 10%, you get **87, 87.007, 92.854**, and if you desaturate by 10%, it is **88, 84.547, 94.102**.

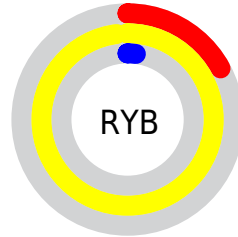
Distribution



Red (98%)

Green (85%)

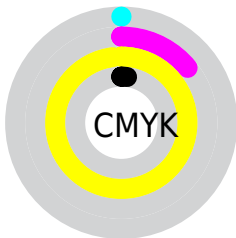
Blue (2%)



Red (17%)

Yellow (98%)

Blue (2%)

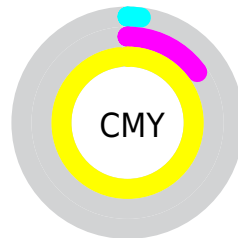


Cyan (0%)

Magenta (14%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (15%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 86.765, 93.036 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, 86.765, 93.036 by changing the saturation by 10% instead.

■ 87, 86.765, 93.036

■ 87, 86.765, 93.036

■ 100, 86.765,
93.036

■ 77, 86.765, 93.036

■ 67, 86.765, 93.036

■ 57, 86.765, 93.036

■ 47, 86.765, 93.036

■ 37, 86.765, 93.036

■ 27, 86.765, 93.036

■ 17, 86.765, 93.036

■ 7, 86.765, 93.036

■ 0, 86.765, 93.036

■ 87, 86.765, 93.036

■ 87, 86.765, 93.036

■ 87, 87.007, 92.854

■ 88, 84.547, 94.102

■ 89, 79.516, 95.156

■ 90, 72.088, 96.231

■ 91, 63.012, 97.337

■ 92, 52.925, 98.467

■ 93, 42.269, 99.611

■ 95, 31.321,
100.754

■ 96, 20.248,
101.884

■ 97, 9.148, 102.985

Harmonies

Complementary

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



87, 86.765, 93.036



35, 122.625, 304.244

Rectangle

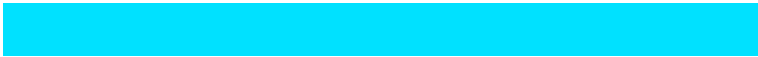
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 86.765, 93.036



87, 86.765, 143.036



87, 86.765, 273.036



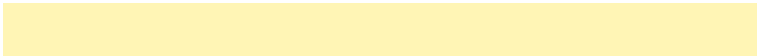
87, 86.765, 323.036

Sweetspot

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



87, 86.764, 93.038



96, 32.562, 100.668



53, 94.724, 33.165



51, 22.321, 100.180



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, 86.764, 93.038



88, 88.106, 92.844



90, 102.248, 122.301



52, 6.272, 102.853



67, 70.362, 93.046



22, 30.764, 94.618

Inverse Universe

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



35, 122.625, 304.244



35, 125.767, 304.553



36, 126.522, 308.914



48, 6.371, 285.002



25, 99.084, 304.206



5, 37.942, 298.320

Previews

White Background



This preview shows how the CIELCh color 87, 86.765, 93.036 looks on a white background.

Color Contrast Check

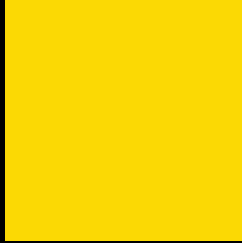
Large Text (above 18pt) WCAG AA × Fail

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, 86.765, 93.036 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, 86.765, 93.036

Background



This preview shows how black text looks on a background with the CIELCh color 87, 86.765, 93.036.

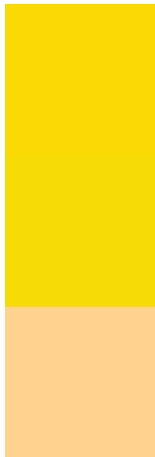


This preview shows how white text looks on a background with the CIELCh color 87, 86.765, 93.036.

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, 86.849, 93.038

Protanopia

87, 86.659, 95.103

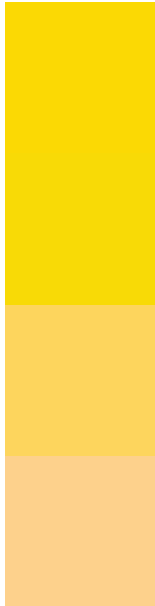
Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 19.464, 2.263

Trichromacy



Original Color
87, 86.849, 93.038

Protanomaly
87, 86.658, 94.212

Deuteranomaly
87, 62.836, 89.089

Tritanomaly
86, 40.524, 80.355

Monochromacy



Original Color
87, 86.849, 93.038

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 40.247, 99.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 86.765, 93.036 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(251, 217, 4)` looks like.

```
.text, #text, p{  
    color:rgb(251, 217, 4)  
}
```

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(251, 217, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 217, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 86.765, 93.036 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(251, 217, 4) }
```

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

```
.border{ border-color:rgb(251, 217, 4) }
```

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

Here you see how a box with a 4 pixel rgb(251, 217, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 217, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 217, 4);  
box-shadow:4px 4px 4px 4px rgb(251, 217,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 86.765, 93.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 217, 4) }
```

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

```
.background{ background-color: rgb(251,  
217, 4) }
```

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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