

Converting Colors

CIELCh(87, 86.166, 93.355)

Have a look what the booklet for
CIELCh(87, 86.166, 93.355) contains.

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Color

CIELCh(87, 86.180, 93.308)

Conversions

Conversions Part 1

Format	Color
Hex	FAD90B
RGB	250, 217, 11
RGB Percent	98%, 85%, 4%
CMY	0.0194, 0.1488, 0.9562
CMYK	0.00, 0.13, 0.96, 0.02
HSL	52°, 96%, 51%
HSV	52°, 96%, 98%
XYZ	64.3280, 70.0064, 10.4434
YIQ	203.3830, 85.7940, -57.0700

Conversions

Conversions Part 2

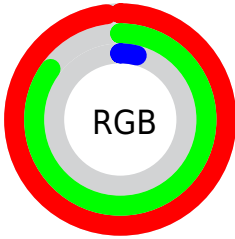
Format	Color
R _Y B	49, 250, 11
Decimal	16439563
CIE Lab	87.00, -4.97, 86.04
CIE LCh	87, 86.180, 93.308
Yxy	70.0064, 0.4443, 0.4835
Android (android.graphics.Color)	4294629643 (0xFFFAD90B)
YUV	203.3830, -94.8448, 40.8831
Hunter-Lab	83.6698, -9.1857, 51.1685

Details

The CIELCh color **87, 86.180, 93.308** 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, 119.732, 303.706**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **67, 70.455, 93.067** is the 20% darker color. If you saturate the color by 10%, you get **87, 86.799, 92.830**, and if you desaturate by 10%, it is **88, 83.237, 94.370**.

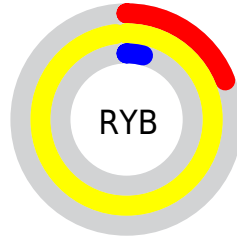
Distribution



Red (98%)

Green (85%)

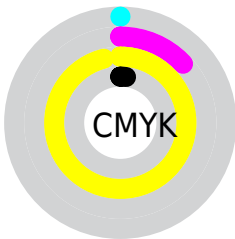
Blue (4%)



Red (19%)

Yellow (98%)

Blue (4%)

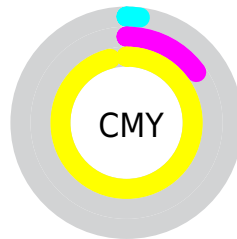


Cyan (0%)

Magenta (13%)

Yellow (96%)

Black (2%)



Cyan (2%)

Magenta (15%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 86.180, 93.308 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, 86.180, 93.308 by changing the saturation by 10% instead.

 87, 86.180, 93.308

 87, 86.180, 93.308

 100, 86.180,
93.308

 77, 86.180, 93.308

 67, 86.180, 93.308

 57, 86.180, 93.308

 47, 86.180, 93.308

 37, 86.180, 93.308

 27, 86.180, 93.308

 17, 86.180, 93.308

 7, 86.180, 93.308

 0, 86.180, 93.308

87, 86.180, 93.308

87, 86.180, 93.308

87, 86.799, 92.830

88, 83.237, 94.370

89, 77.489, 95.429

90, 69.553, 96.513

91, 60.167, 97.627

92, 49.913, 98.763

93, 39.183, 99.908

95, 28.217,
101.049

96, 17.159,
102.173

97, 6.092, 103.260

Harmonies

Complementary

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



87, 86.180, 93.308



36, 119.732, 303.706

Rectangle

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



87, 86.180, 93.308



87, 86.180, 143.308



87, 86.180, 273.308



87, 86.180, 323.308

Sweetspot

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



87, 86.179, 93.310



96, 32.553, 100.651



53, 92.695, 31.812



51, 22.314, 100.163



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, 86.179, 93.310



88, 88.091, 92.819



90, 101.228, 121.974



52, 6.270, 102.837



67, 70.349, 93.022



22, 30.757, 94.597

Inverse Universe

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



36, 119.732, 303.706



35, 125.739, 304.547



37, 124.910, 309.037



48, 6.369, 284.986



25, 99.059, 304.199



5, 37.933, 298.313

Previews

White Background



This preview shows how the CIELCh color 87, 86.180, 93.308 looks on a white background.

Color Contrast Check

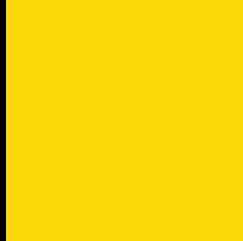
Large Text (above 18pt) WCAG AA × Fail

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, 86.180, 93.308 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, 86.180, 93.308

Background



This preview shows how black text looks on a background with the CIELCh color 87, 86.180, 93.308.



This preview shows how white text looks on a background with the CIELCh color 87, 86.180, 93.308.

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, 86.180, 93.308

Protanopia

87, 86.237, 95.101

Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 19.464, 2.263

Trichromacy



Original Color
87, 86.180, 93.308

Protanomaly
87, 86.078, 94.492



Deuteranomaly
87, 61.986, 88.962



Tritanomaly
86, 39.597, 79.836

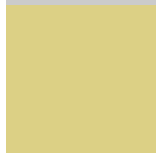
Monochromacy



Original Color
87, 86.180, 93.308



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 39.251, 99.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 86.180, 93.308 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(250, 217, 11)` looks like.

```
.text, #text, p{  
    color:rgb(250, 217, 11)  
}
```

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(250, 217, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 217, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 86.180, 93.308 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(250, 217, 11) }
```

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

```
.border{ border-color:rgb(250, 217, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 217, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 217, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 217, 11);  
box-shadow:4px 4px 4px 4px rgb(250, 217,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 86.180, 93.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 217, 11) }
```

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

```
.background{ background-color: rgb(250,  
217, 11) }
```

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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