

Converting Colors

CIELCh(80, 81.406, 87.545)

Have a look what the booklet for
CIELCh(80, 81.406, 87.545) contains.

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Color

CIELCh(80, 81.493, 87.629)

Conversions

Conversions Part 1

Format	Color
Hex	F1C102
RGB	241, 193, 2
RGB Percent	95%, 76%, 1%
CMY	0.0561, 0.2441, 0.9913
CMYK	0.00, 0.20, 0.99, 0.06
HSL	48°, 98%, 48%
HSV	48°, 99%, 94%
XYZ	55.2014, 56.6813, 8.0940
YIQ	185.5780, 89.9190, -49.2250

Conversions

Conversions Part 2

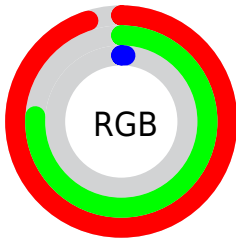
Format	Color
RYB	62, 241, 2
Decimal	15843586
CIELab	80.00, 3.37, 81.42
CIElCh	80, 81.493, 87.629
Yxy	56.6813, 0.4601, 0.4724
Android (android.graphics.Color)	4294033666 (0xFFFF1C102)
YUV	185.5780, -90.5040, 48.6051
Hunter-Lab	75.2870, -0.8736, 46.3267

Details

The CIELCh color **80, 81.493, 87.629** 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, 112.588, 302.620**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.540, 102.312**, and **60, 65.193, 85.955** is the 20% darker color. If you saturate the color by 10%, you get **80, 81.640, 87.487**, and if you desaturate by 10%, it is **81, 79.315, 89.177**.

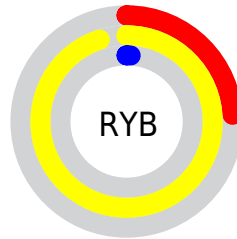
Distribution



Red (95%)

Green (76%)

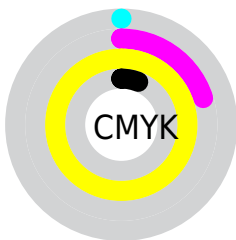
Blue (1%)



Red (24%)

Yellow (95%)

Blue (1%)

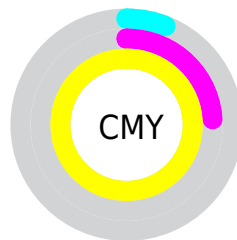


Cyan (0%)

Magenta (20%)

Yellow (99%)

Black (6%)



Cyan (6%)

Magenta (24%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 81.493, 87.629 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 80, 81.493, 87.629 by changing the saturation by 10% instead.

 80, 81.493, 87.629

 80, 81.493, 87.629

 100, 81.493,
87.629

 70, 81.493, 87.629

 60, 81.493, 87.629

 50, 81.493, 87.629

 40, 81.493, 87.629

 30, 81.493, 87.629

 20, 81.493, 87.629

 10, 81.493, 87.629

 0, 81.493, 87.629

 80, 81.493, 87.629

 80, 81.493, 87.629

80, 81.640, 87.487

81, 79.315, 89.177

83, 74.466, 90.577

84, 67.350, 91.894

85, 58.751, 93.174

87, 49.299, 94.437

88, 39.407, 95.685

90, 29.325, 96.915

92, 19.195, 98.119

93, 9.096, 99.284

Harmonies

Complementary

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



80, 81.493, 87.629



35, 112.588, 302.620

Rectangle

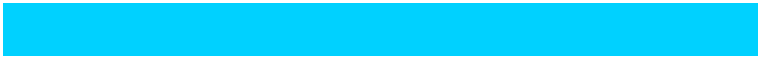
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 81.493, 87.629



80, 81.493, 137.629



80, 81.493, 267.629



80, 81.493, 317.629

Sweetspot

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



80, 81.492, 87.631



95, 31.704, 96.792



51, 88.217, 28.706



50, 21.635, 96.273



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



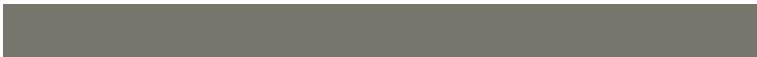
80, 81.492, 87.631



84, 85.261, 87.432



88, 97.255, 119.203



49, 5.673, 99.239



62, 66.738, 87.787



19, 26.927, 90.191

Inverse Universe

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



35, 112.588, 302.620



37, 118.866, 302.905



33, 124.431, 307.986



47, 5.739, 281.499



26, 91.304, 302.393



5, 32.555, 294.789

Previews

White Background



This preview shows how the CIELCh color 80, 81.493, 87.629 looks on a white background.

Color Contrast Check

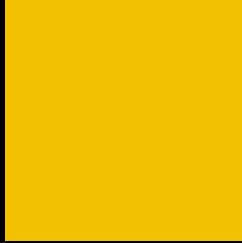
Large Text (above 18pt) WCAG AA × Fail

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 80, 81.493, 87.629 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 80, 81.493, 87.629

Background



This preview shows how black text looks on a background with the CIELCh color 80, 81.493, 87.629.

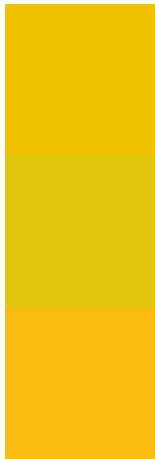


This preview shows how white text looks on a background with the CIELCh color 80, 81.493, 87.629.

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

80, 81.590, 87.637

Protanopia

80, 80.166, 95.001

Deuteranopia

80, 80.922, 82.626



Tritanopia
80, 28.317, 6.862

Trichromacy



Original Color
80, 81.590, 87.637

Protanomaly
80, 80.492, 92.420

Deuteranomaly
80, 81.079, 84.633

Tritanomaly
79, 42.347, 67.909

Monochromacy



Original Color
80, 81.590, 87.637

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 37.223, 95.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 81.493, 87.629 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(241, 193, 2)` looks like.

```
.text, #text, p{  
    color:rgb(241, 193, 2)  
}
```

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(241, 193, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 193, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 81.493, 87.629 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(241, 193, 2) }
```

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

```
.border{ border-color:rgb(241, 193, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 193, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 193, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 193, 2);  
box-shadow:4px 4px 4px 4px rgb(241, 193,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 81.493, 87.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 193, 2) }
```

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

```
.background{ background-color: rgb(241,  
193, 2) }
```

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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