

Converting Colors

CIELCh(82, 81.860, 91.995)

Have a look what the booklet for
CIELCh(82, 81.860, 91.995) contains.

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Color

CIELCh(82, 81.794, 92.037)

Conversions

Conversions Part 1

Format	Color
Hex	EDCA0C
RGB	237, 202, 12
RGB Percent	93%, 79%, 5%
CMY	0.0704, 0.2077, 0.9524
CMYK	0.00, 0.15, 0.95, 0.07
HSL	51°, 90%, 49%
HSV	51°, 95%, 93%
XYZ	56.1364, 60.2982, 9.0316
YIQ	190.8050, 81.8500, -51.6700

Conversions

Conversions Part 2

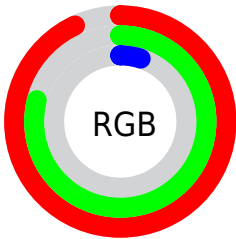
Format	Color
RYB	53, 237, 12
Decimal	15583756
CIELab	82.00, -2.91, 81.74
CIElCh	82, 81.794, 92.037
Yxy	60.2982, 0.4474, 0.4806
Android (android.graphics.Color)	4293773836 (0xFFEDCA0C)
YUV	190.8050, -88.1509, 40.5130
Hunter-Lab	77.6519, -6.8490, 47.4604

Details

The CIELCh color **82, 81.794, 92.037** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **34, 112.228, 303.025**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **62, 66.048, 91.384** is the 20% darker color. If you saturate the color by 10%, you get **82, 82.557, 91.422**, and if you desaturate by 10%, it is **83, 78.697, 93.211**.

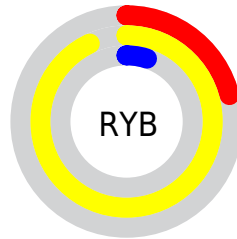
Distribution



Red (93%)

Green (79%)

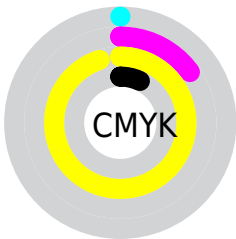
Blue (5%)



Red (21%)

Yellow (93%)

Blue (5%)

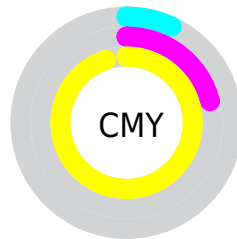


Cyan (0%)

Magenta (15%)

Yellow (95%)

Black (7%)



Cyan (7%)

Magenta (21%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 81.794, 92.037 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 82, 81.794, 92.037 by changing the saturation by 10% instead.

■ 82, 81.794, 92.037

■ 82, 81.794, 92.037

■ 100, 81.794,
92.037

■ 72, 81.794, 92.037

■ 62, 81.794, 92.037

■ 52, 81.794, 92.037

■ 42, 81.794, 92.037

■ 32, 81.794, 92.037

■ 22, 81.794, 92.037

■ 12, 81.794, 92.037

■ 2, 81.794, 92.037

■ 0, 81.794, 92.037

82, 81.794, 92.037

82, 81.794, 92.037

82, 82.557, 91.422

83, 78.697, 93.211

84, 72.958, 94.351

85, 65.223, 95.495

86, 56.199, 96.653

88, 46.424, 97.821

89, 36.248, 98.991

90, 25.886,
100.151

92, 15.463,
101.289

93, 5.051, 102.384

Harmonies

Complementary

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



82, 81.794, 92.037



34, 112.228, 303.025

Rectangle

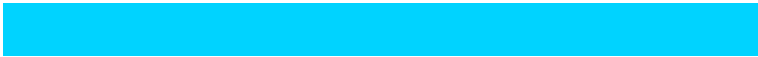
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 81.794, 92.037



82, 81.794, 142.037



82, 81.794, 272.037



82, 81.794, 322.037

Sweetspot

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



82, 81.793, 92.039



96, 30.908, 99.778



50, 87.479, 30.174



50, 21.327, 99.275



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 81.793, 92.039



87, 87.218, 91.370



86, 96.447, 121.119



49, 5.846, 101.892



64, 67.564, 91.642



19, 26.698, 93.813

Inverse Universe

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



34, 112.228, 303.025



35, 124.023, 304.152



35, 119.855, 308.808



46, 5.931, 284.059



24, 94.445, 303.707



4, 31.896, 294.645

Previews

White Background



This preview shows how the CIELCh color 82, 81.794, 92.037 looks on a white background.

Color Contrast Check

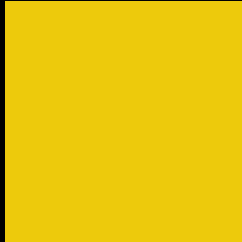
Large Text (above 18pt) WCAG AA × Fail

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 82, 81.794, 92.037 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 82, 81.794, 92.037

Background



This preview shows how black text looks on a background with the CIELCh color 82, 81.794, 92.037.



This preview shows how white text looks on a background with the CIELCh color 82, 81.794, 92.037.

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


82, 81.794, 92.037

Protanopia

82, 81.677, 95.215

Deuteranopia

82, 71.938, 82.017



Tritanopia
82, 23.659, 3.335

Trichromacy



Original Color
82, 81.794, 92.037

Protanomaly
82, 81.773, 93.953

Deuteranomaly
82, 76.430, 86.301

Tritanomaly
81, 38.649, 73.691

Monochromacy



Original Color
82, 81.794, 92.037

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 36.694, 98.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 81.794, 92.037 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(237, 202, 12)` looks like.

```
.text, #text, p{  
    color:rgb(237, 202, 12)  
}
```

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(237, 202, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 202, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 81.794, 92.037 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(237, 202, 12) }
```

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

```
.border{ border-color:rgb(237, 202, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 202, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 202, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 202, 12);  
box-shadow:4px 4px 4px 4px rgb(237, 202,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 81.794, 92.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 202, 12) }
```

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

```
.background{ background-color: rgb(237,  
202, 12) }
```

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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