

Converting Colors

CIELCh(81, 82.319, 93.308)

Have a look what the booklet for
CIELCh(81, 82.319, 93.308) contains.

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Color

CIELCh(81, 81.972, 93.199)

Conversions

Conversions Part 1

Format	Color
Hex	E7C801
RGB	231, 200, 1
RGB Percent	91%, 78%, 0%
CMY	0.0930, 0.2146, 0.9966
CMYK	0.00, 0.13, 1.00, 0.09
HSL	52°, 99%, 46%
HSV	52°, 100%, 91%
XYZ	53.7708, 58.4711, 8.4762
YIQ	186.5830, 82.3550, -55.3170

Conversions

Conversions Part 2

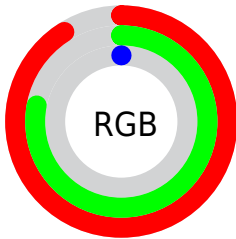
Format	Color
R _Y B	37, 231, 1
Decimal	15190017
CIE Lab	81.00, -4.57, 81.84
CIE LCh	81, 81.972, 93.199
Yxy	58.4711, 0.4454, 0.4844
Android (android.graphics.Color)	4293380097 (0xFFE7C801)
YUV	186.5830, -91.4924, 38.9537
Hunter-Lab	76.4664, -8.2958, 46.9543

Details

The CIELCh color **81, 81.972, 93.199** 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 **31, 116.402, 304.463**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.711, 104.099**, and **61, 65.256, 93.331** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.029, 93.163**, and if you desaturate by 10%, it is **82, 80.000, 94.236**.

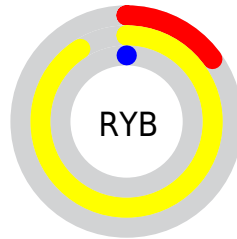
Distribution



Red (91%)

Green (78%)

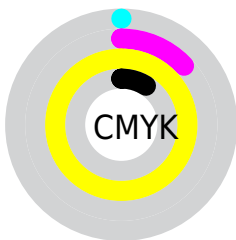
Blue (0%)



Red (15%)

Yellow (91%)

Blue (0%)

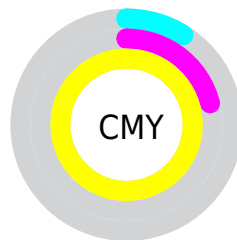


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 81.972, 93.199 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 81, 81.972, 93.199 by changing the saturation by 10% instead.

 81, 81.972, 93.199

 81, 81.972, 93.199

 100, 81.972,
93.199

 71, 81.972, 93.199

 61, 81.972, 93.199

 51, 81.972, 93.199

 41, 81.972, 93.199

 31, 81.972, 93.199

 21, 81.972, 93.199

 11, 81.972, 93.199

 1, 81.972, 93.199

 0, 81.972, 93.199

■ 81, 81.972, 93.199

■ 81, 81.972, 93.199

■ 81, 82.029, 93.163

■ 82, 80.000, 94.236

■ 83, 75.545, 95.267

■ 84, 68.787, 96.321

■ 85, 60.414, 97.409

■ 86, 51.035, 98.526

■ 87, 41.082, 99.658

■ 88, 30.827,
100.792

■ 89, 20.437,
101.915

■ 90, 10.009,
103.014

Harmonies

Complementary

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



81, 81.972, 93.199



31, 116.402, 304.463

Rectangle

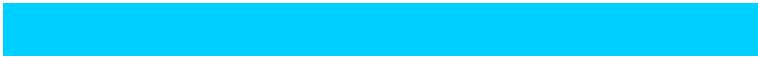
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 81.972, 93.199



81, 81.972, 143.199



81, 81.972, 273.199



81, 81.972, 323.199

Sweetspot

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



81, 81.971, 93.201



96, 33.782, 100.732



48, 89.716, 33.552



51, 23.020, 100.251



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 81.971, 93.201



88, 88.273, 93.105



84, 96.495, 122.389



48, 5.868, 103.033



64, 67.662, 93.344



18, 25.900, 95.508

Inverse Universe

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



31, 116.402, 304.463



35, 126.064, 304.621



33, 119.562, 308.904



45, 5.961, 285.156



23, 95.059, 304.201



4, 30.545, 293.994

Previews

White Background



This preview shows how the CIELCh color 81, 81.972, 93.199 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 81, 81.972, 93.199 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 81, 81.972, 93.199

Background



This preview shows how black text looks on a background with the CIELCh color 81, 81.972, 93.199.

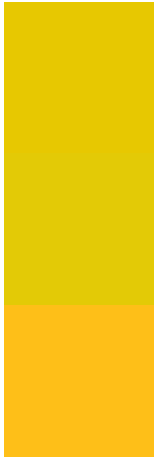


This preview shows how white text looks on a background with the CIELCh color 81, 81.972, 93.199.

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

81, 81.876, 93.197

Protanopia

81, 81.546, 95.113

Deuteranopia

81, 80.726, 82.743



Tritanopia
81, 22.755, 1.055

Trichromacy



Original Color
81, 81.876, 93.197

Protanomaly
81, 81.649, 94.153

Deuteranomaly
81, 81.010, 86.376

Tritanomaly
80, 39.360, 76.155

Monochromacy



Original Color
81, 81.876, 93.197

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 38.682, 99.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 81.972, 93.199 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(231, 200, 1)` looks like.

```
.text, #text, p{  
    color:rgb(231, 200, 1)  
}
```

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(231, 200, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 200, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 81.972, 93.199 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(231, 200, 1) }
```

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

```
.border{ border-color:rgb(231, 200, 1) }
```

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

Here you see how a box with a 4 pixel rgb(231, 200, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 200, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 200, 1);  
box-shadow:4px 4px 4px 4px rgb(231, 200,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 81.972, 93.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 200, 1) }
```

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

```
.background{ background-color: rgb(231,  
200, 1) }
```

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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