

Converting Colors

CIELCh(81, 81.622, 93.300)

Have a look what the booklet for
CIELCh(81, 81.622, 93.300) contains.

CIELCh(81, 81.591, 93.189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 81.591, 93.189)

Conversions

Conversions Part 1

Format	Color
Hex	E7C805
RGB	231, 200, 5
RGB Percent	91%, 78%, 2%
CMY	0.0930, 0.2147, 0.9810
CMYK	0.00, 0.13, 0.98, 0.09
HSL	52°, 96%, 46%
HSV	52°, 98%, 91%
XYZ	53.7846, 58.4711, 8.5897
YIQ	187.0390, 81.0710, -54.0730

Conversions

Conversions Part 2

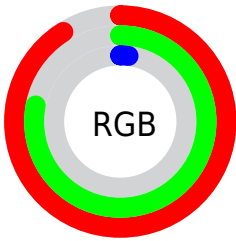
Format	Color
RYB	41, 231, 5
Decimal	15190021
CIELab	81.00, -4.54, 81.46
CIElCh	81, 81.591, 93.189
Yxy	58.4711, 0.4451, 0.4839
Android (android.graphics.Color)	4293380101 (0xFFE7C805)
YUV	187.0390, -89.7452, 38.5538
Hunter-Lab	76.4664, -8.2635, 46.8662

Details

The CIELCh color **81, 81.591, 93.189** 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 **32, 114.746, 304.113**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **61, 65.256, 93.331** is the 20% darker color. If you saturate the color by 10%, you get **81, 81.910, 92.971**, and if you desaturate by 10%, it is **82, 79.302, 94.242**.

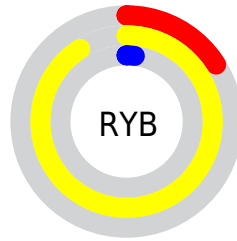
Distribution



Red (91%)

Green (78%)

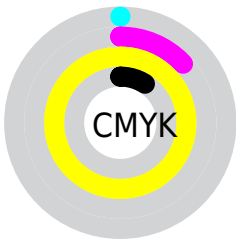
Blue (2%)



Red (16%)

Yellow (91%)

Blue (2%)

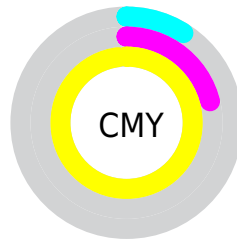


Cyan (0%)

Magenta (13%)

Yellow (98%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 81.591, 93.189 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, 81.591, 93.189 by changing the saturation by 10% instead.

 81, 81.591, 93.189

 81, 81.591, 93.189

 100, 81.591,
93.189

 71, 81.591, 93.189

 61, 81.591, 93.189

 51, 81.591, 93.189

 41, 81.591, 93.189

 31, 81.591, 93.189

 21, 81.591, 93.189

 11, 81.591, 93.189

 1, 81.591, 93.189

 0, 81.591, 93.189

■ 81, 81.591, 93.189

■ 81, 81.591, 93.189

■ 81, 81.910, 92.971

■ 82, 79.302, 94.242

■ 83, 74.405, 95.287

■ 84, 67.321, 96.356

■ 85, 58.742, 97.457

■ 86, 49.250, 98.582

■ 87, 39.245, 99.719

■ 88, 28.977,
100.856

■ 89, 18.598,
101.979

■ 91, 8.195, 103.072

Harmonies

Complementary

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



81, 81.591, 93.189



32, 114.746, 304.113

Rectangle

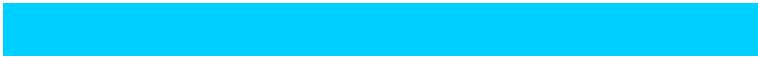
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 81.591, 93.189



81, 81.591, 143.189



81, 81.591, 273.189



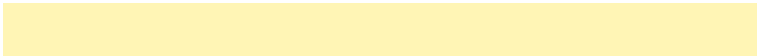
81, 81.591, 323.189

Sweetspot

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



81, 81.590, 93.191



96, 32.588, 100.714



49, 88.626, 32.767



51, 22.338, 100.227



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, 81.590, 93.191



88, 88.150, 92.912



84, 95.994, 122.198



48, 5.854, 102.906



64, 67.569, 93.156



18, 25.844, 95.342

Inverse Universe

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



32, 114.746, 304.113



35, 125.845, 304.571



34, 118.709, 308.960



45, 5.945, 285.034



23, 94.878, 304.146



4, 30.491, 293.940

Previews

White Background



This preview shows how the CIELCh color 81, 81.591, 93.189 looks on a white background.

Color Contrast Check

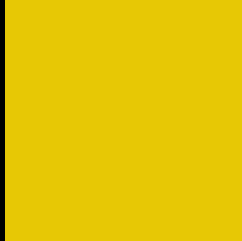
Large Text (above 18pt) WCAG AA × Fail

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, 81.591, 93.189 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, 81.591, 93.189

Background



This preview shows how black text looks on a background with the CIELCh color 81, 81.591, 93.189.



This preview shows how white text looks on a background with the CIELCh color 81, 81.591, 93.189.

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, 81.497, 93.187

Protanopia

81, 81.452, 95.112

Deuteranopia

81, 80.726, 82.743



Tritanopia
81, 22.617, 2.331

Trichromacy



Original Color
81, 81.497, 93.187

Protanomaly
81, 81.461, 94.150

Deuteranomaly
81, 80.881, 86.362

Tritanomaly
80, 38.903, 75.842

Monochromacy



Original Color
81, 81.497, 93.187

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 37.674, 99.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 81.591, 93.189 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(231, 200, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 200, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 81.591, 93.189 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, 5) }
```

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

```
.border{ border-color:rgb(231, 200, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 200, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 200, 5);  
box-shadow:4px 4px 4px 4px rgb(231, 200,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 81.591, 93.189 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, 5) }
```

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

```
.background{ background-color: rgb(231,  
200, 5) }
```

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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