

Converting Colors

CIELCh(80, 81.244, 92.365)

Have a look what the booklet for
CIELCh(80, 81.244, 92.365) contains.

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Color

CIELCh(80, 81.264, 92.447)

Conversions

Conversions Part 1

Format	Color
Hex	E6C500
RGB	230, 197, 0
RGB Percent	90%, 77%, 0%
CMY	0.0985, 0.2279, 1.0000
CMYK	0.00, 0.14, 1.00, 0.10
HSL	51°, 100%, 45%
HSV	51°, 100%, 90%
XYZ	52.5300, 56.6813, 8.1616
YIQ	184.4090, 82.9050, -54.2710

Conversions

Conversions Part 2

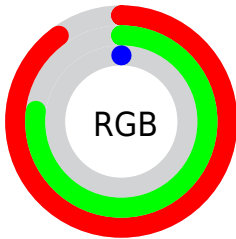
Format	Color
R _Y B	39, 230, 0
Decimal	15123712
CIE Lab	80.00, -3.47, 81.19
CIE LCh	80, 81.264, 92.447
Yxy	56.6813, 0.4475, 0.4829
Android (android.graphics.Color)	4293313792 (0xFFE6C500)
YUV	184.4090, -90.9136, 39.9833
Hunter-Lab	75.2870, -7.2073, 46.2735

Details

The CIELCh color **80, 81.264, 92.447** 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, 115.344, 304.322**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.338, 103.492**, and **60, 64.506, 92.329** is the 20% darker color. If you saturate the color by 10%, you get **80, 81.230, 92.448**, and if you desaturate by 10%, it is **81, 79.308, 93.549**.

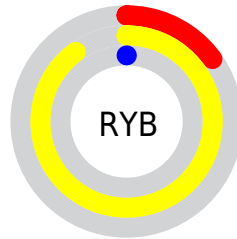
Distribution



Red (90%)

Green (77%)

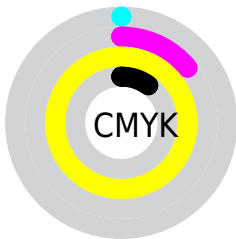
Blue (0%)



Red (15%)

Yellow (90%)

Blue (0%)

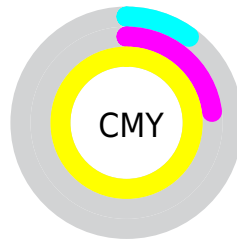


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (23%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 81.264, 92.447 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, 81.264, 92.447 by changing the saturation by 10% instead.

 80, 81.264, 92.447

 80, 81.264, 92.447

 100, 81.264,
92.447

 70, 81.264, 92.447

 60, 81.264, 92.447

 50, 81.264, 92.447

 40, 81.264, 92.447

 30, 81.264, 92.447

 20, 81.264, 92.447

 10, 81.264, 92.447

 0, 81.264, 92.447

 80, 81.264, 92.447

 80, 81.264, 92.447

80, 81.230, 92.448

81, 79.308, 93.549

82, 74.953, 94.628

83, 68.295, 95.716

84, 60.025, 96.829

85, 50.757, 97.964

86, 40.923, 99.111

87, 30.795,
100.258

89, 20.540,
101.392

90, 10.252,
102.500

Harmonies

Complementary

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



80, 81.264, 92.447



31, 115.344, 304.322

Rectangle

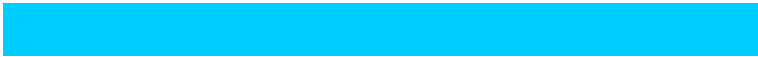
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 81.264, 92.447



80, 81.264, 142.447



80, 81.264, 272.447



80, 81.264, 322.447

Sweetspot

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



80, 81.230, 92.448



96, 33.498, 100.238



48, 89.515, 33.698



50, 22.830, 99.753



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, 81.230, 92.448



88, 87.818, 92.381



83, 96.150, 122.424



48, 5.814, 102.559



64, 67.318, 92.639



18, 25.692, 94.885

Inverse Universe

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



31, 115.344, 304.322



35, 125.232, 304.431



33, 119.186, 308.897



45, 5.903, 284.699



24, 94.373, 303.991



4, 30.343, 293.791

Previews

White Background



This preview shows how the CIELCh color 80, 81.264, 92.447 looks on a white background.

Color Contrast Check

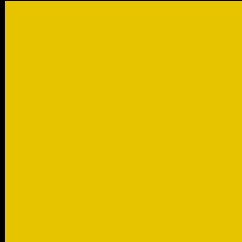
Large Text (above 18pt) WCAG AA × Fail

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, 81.264, 92.447 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, 81.264, 92.447

Background



This preview shows how black text looks on a background with the CIELCh color 80, 81.264, 92.447.

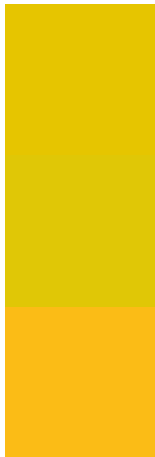


This preview shows how white text looks on a background with the CIELCh color 80, 81.264, 92.447.

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, 81.264, 92.447

Protanopia

80, 80.643, 95.004

Deuteranopia

80, 80.184, 82.512



Tritanopia
80, 23.045, 2.720

Trichromacy



Original Color
80, 81.264, 92.447

Protanomaly
80, 80.753, 94.031

Deuteranomaly
80, 80.375, 86.172

Tritanomaly
79, 39.727, 75.564

Monochromacy



Original Color
80, 81.264, 92.447

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 38.330, 98.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 81.264, 92.447 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(230, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 197, 0)  
}
```

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(230, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 197, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 81.264, 92.447 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(230, 197, 0) }
```

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

```
.border{ border-color:rgb(230, 197, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 197, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 197,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 81.264, 92.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 197, 0) }
```

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

```
.background{ background-color: rgb(230,  
197, 0) }
```

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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