

Converting Colors

CIELCh(82, 83.175, 92.467)

Have a look what the booklet for
CIELCh(82, 83.175, 92.467) contains.

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Color

CIELCh(82, 82.820, 92.381)

Conversions

Conversions Part 1

Format	Color
Hex	ECCA01
RGB	236, 202, 1
RGB Percent	93%, 79%, 0%
CMY	0.0730, 0.2065, 0.9956
CMYK	0.00, 0.14, 1.00, 0.07
HSL	51°, 99%, 47%
HSV	51°, 100%, 93%
XYZ	55.9225, 60.2982, 8.7227
YIQ	189.2520, 84.7850, -55.3030

Conversions

Conversions Part 2

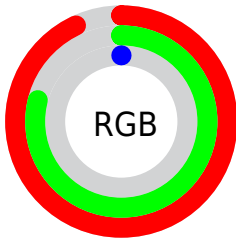
Format	Color
R _Y B	41, 236, 1
Decimal	15518209
CIE Lab	82.00, -3.44, 82.75
CIE LCh	82, 82.820, 92.381
Yxy	60.2982, 0.4476, 0.4826
Android (android.graphics.Color)	4293708289 (0xFFECCA01)
YUV	189.2520, -92.8082, 40.9980
Hunter-Lab	77.6519, -7.3406, 47.6963

Details

The CIELCh color **82, 82.820, 92.381** 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, 117.418, 304.245**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **62, 65.944, 91.782** is the 20% darker color. If you saturate the color by 10%, you get **82, 82.891, 92.331**, and if you desaturate by 10%, it is **83, 80.834, 93.495**.

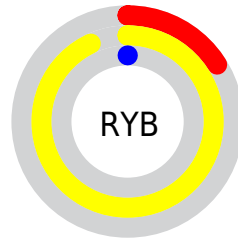
Distribution



Red (93%)

Green (79%)

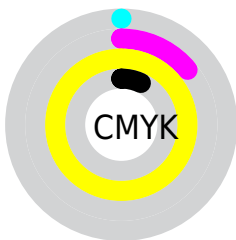
Blue (0%)



Red (16%)

Yellow (93%)

Blue (0%)

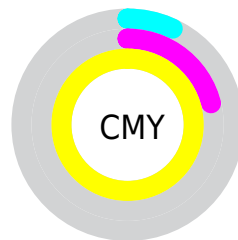


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 82.820, 92.381 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, 82.820, 92.381 by changing the saturation by 10% instead.

82, 82.820, 92.381

82, 82.820, 92.381

100, 82.820,
92.381

72, 82.820, 92.381

62, 82.820, 92.381

52, 82.820, 92.381

42, 82.820, 92.381

32, 82.820, 92.381

22, 82.820, 92.381

12, 82.820, 92.381

2, 82.820, 92.381

0, 82.820, 92.381

■ 82, 82.820, 92.381

■ 82, 82.820, 92.381

■ 82, 82.891, 92.331

■ 83, 80.834, 93.495

■ 84, 76.289, 94.583

■ 85, 69.407, 95.678

■ 86, 60.902, 96.797

■ 87, 51.397, 97.937

■ 88, 41.329, 99.089

■ 89, 30.971,
100.239

■ 91, 20.488,
101.375

■ 92, 9.978, 102.485

Harmonies

Complementary

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



82, 82.820, 92.381



32, 117.418, 304.245

Rectangle

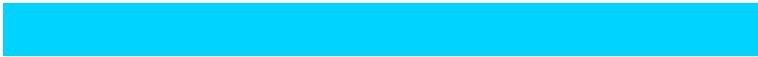
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 82.820, 92.381



82, 82.820, 142.381



82, 82.820, 272.381



82, 82.820, 322.381

Sweetspot

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



82, 82.819, 92.383



96, 33.459, 100.170



50, 91.201, 33.573



50, 22.805, 99.684



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, 82.819, 92.383



88, 87.757, 92.282



86, 98.078, 122.397



49, 5.913, 102.492



64, 67.978, 92.531



19, 26.955, 94.601

Inverse Universe

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



32, 117.418, 304.245



35, 125.116, 304.405



34, 121.512, 308.896



45, 6.003, 284.639



24, 95.346, 303.983



4, 32.163, 294.888

Previews

White Background



This preview shows how the CIELCh color 82, 82.820, 92.381 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, 82.820, 92.381 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, 82.820, 92.381

Background



This preview shows how black text looks on a background with the CIELCh color 82, 82.820, 92.381.

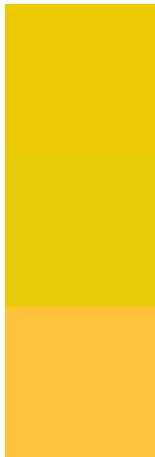


This preview shows how white text looks on a background with the CIELCh color 82, 82.820, 92.381.

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, 82.727, 92.378

Protanopia

82, 82.355, 95.218

Deuteranopia

82, 71.938, 82.017



Tritanopia
82, 23.786, 2.111

Trichromacy



Original Color
82, 82.727, 92.378

Protanomaly
82, 82.450, 94.270

Deuteranomaly
82, 77.461, 86.426

Tritanomaly
81, 39.998, 74.688

Monochromacy



Original Color
82, 82.727, 92.378

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 38.739, 98.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 82.820, 92.381 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(236, 202, 1)` looks like.

```
.text, #text, p{  
    color:rgb(236, 202, 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(236, 202, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 202, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 82.820, 92.381 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(236, 202, 1) }
```

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

```
.border{ border-color:rgb(236, 202, 1) }
```

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

Here you see how a box with a 4 pixel rgb(236, 202, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 202, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 202, 1);  
box-shadow:4px 4px 4px 4px rgb(236, 202,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 82.820, 92.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 202, 1) }
```

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

```
.background{ background-color: rgb(236,  
202, 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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