

Converting Colors

CIELCh(82, 52.948, 92.554)

Have a look what the booklet for
CIELCh(82, 52.948, 92.554) contains.

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Color

CIELCh(82, 52.843, 92.414)

Conversions

Conversions Part 1

Format	Color
Hex	E6CA66
RGB	230, 202, 102
RGB Percent	90%, 79%, 40%
CMY	0.0963, 0.2062, 0.5985
CMYK	0.00, 0.12, 0.56, 0.10
HSL	47°, 72%, 65%
HSV	47°, 56%, 90%
XYZ	56.4104, 60.2982, 21.3376
YIQ	198.9720, 48.7880, -25.1640

Conversions

Conversions Part 2

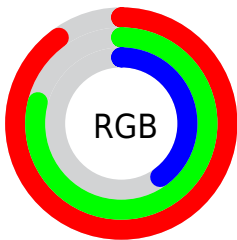
Format	Color
RYB	138, 230, 102
Decimal	15125094
CIELab	82.00, -2.23, 52.80
CIELCh	82, 52.843, 92.414
Yxy	60.2982, 0.4086, 0.4368
Android (android.graphics.Color)	4293315174 (0xFFE6CA66)
YUV	198.9720, -47.8072, 27.2116
Hunter-Lab	77.6519, -6.2190, 38.0643

Details

The CIELCh color **82, 52.843, 92.414** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **57, 57.072, 289.201**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **62, 52.729, 92.160** is the 20% darker color. If you saturate the color by 10%, you get **80, 61.476, 91.106**, and if you desaturate by 10%, it is **84, 43.601, 93.705**.

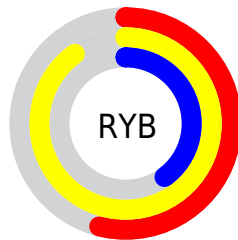
Distribution



Red (90%)

Green (79%)

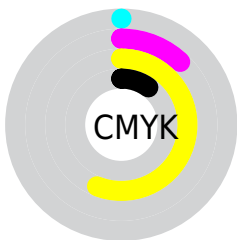
Blue (40%)



Red (54%)

Yellow (90%)

Blue (40%)

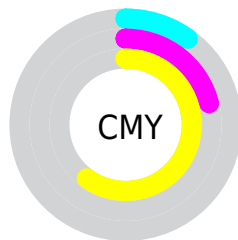


Cyan (0%)

Magenta (12%)

Yellow (56%)

Black (10%)



Cyan (10%)

Magenta (21%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 52.843, 92.414 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, 52.843, 92.414 by changing the saturation by 10% instead.

 82, 52.843, 92.414

 82, 52.843, 92.414

 100, 52.843,
92.414

 72, 52.843, 92.414

 62, 52.843, 92.414

 52, 52.843, 92.414


 42, 52.843, 92.414

 32, 52.843, 92.414

 22, 52.843, 92.414

 12, 52.843, 92.414

 2, 52.843, 92.414

 0, 52.843, 92.414

82, 52.843, 92.414

82, 52.843, 92.414

80, 61.476, 91.106

84, 43.601, 93.705

79, 68.975, 89.751

85, 34.071, 94.971

78, 74.614, 88.310

87, 24.444, 96.212

76, 77.673, 86.701

89, 14.825, 97.420

76, 78.427, 85.942

90, 5.269, 98.574

92, 4.192, 279.790

94, 9.193, 275.240

95, 7.484, 256.552

96, 6.905, 231.464

Harmonies

Complementary

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



82, 52.843, 92.414



57, 57.072, 289.201

Rectangle

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



82, 52.843, 92.414



82, 52.843, 142.414



82, 52.843, 272.414



82, 52.843, 322.414

Sweetspot

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



82, 52.844, 92.417



97, 17.588, 97.238



60, 53.049, 9.052



51, 11.774, 96.996



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, 52.844, 92.417



88, 67.941, 90.865



87, 64.879, 117.316



47, 5.373, 98.136



60, 64.879, 86.265



17, 24.041, 89.071

Inverse Universe

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



57, 57.072, 289.201



55, 76.194, 292.500



53, 74.129, 305.238



45, 5.428, 280.419



26, 87.482, 301.726



4, 28.613, 291.930

Previews

White Background



This preview shows how the CIELCh color 82, 52.843, 92.414 looks on a white background.

Color Contrast Check

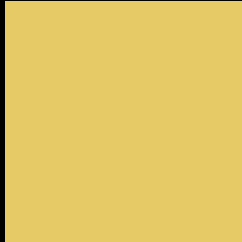
Large Text (above 18pt) WCAG AA × Fail

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, 52.843, 92.414 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, 52.843, 92.414

Background



This preview shows how black text looks on a background with the CIELCh color 82, 52.843, 92.414.



This preview shows how white text looks on a background with the CIELCh color 82, 52.843, 92.414.

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, 52.843, 92.414

Protanopia

82, 52.568, 95.710

Deuteranopia

82, 53.481, 78.454



Tritanopia
82, 19.838, 357.624

Trichromacy



Original Color
82, 52.843, 92.414

Protanomaly
82, 52.401, 94.264

Deuteranomaly
82, 53.096, 83.294

Tritanomaly
82, 22.161, 59.974

Monochromacy



Original Color
82, 52.843, 92.414

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 19.424, 96.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 52.843, 92.414 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, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(230, 202, 102)  
}
```

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, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 202, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 52.843, 92.414 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, 202, 102) }
```

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

```
.border{ border-color:rgb(230, 202, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(230, 202,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 52.843, 92.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 202, 102) }
```

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

```
.background{ background-color: rgb(230,  
202, 102) }
```

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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