

Converting Colors

CIELCh(82, 57.445, 91.347)

Have a look what the booklet for
CIELCh(82, 57.445, 91.347) contains.

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Color

CIELCh(82, 57.688, 91.696)

Conversions

Conversions Part 1

Format	Color
Hex	E9CA5C
RGB	233, 202, 92
RGB Percent	91%, 79%, 36%
CMY	0.0865, 0.2080, 0.6394
CMYK	0.00, 0.13, 0.61, 0.09
HSL	47°, 76%, 64%
HSV	47°, 61%, 91%
XYZ	56.6195, 60.2982, 18.7667
YIQ	198.7290, 53.7860, -27.6380

Conversions

Conversions Part 2

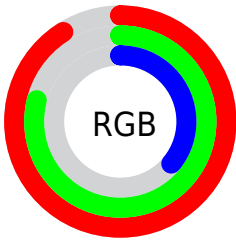
Format	Color
R _Y B	132, 233, 92
Decimal	15321692
CIE Lab	82.00, -1.71, 57.66
CIE LCh	82, 57.688, 91.696
Yxy	60.2982, 0.4173, 0.4444
Android (android.graphics.Color)	4293511772 (0xFFE9CA5C)
YUV	198.7290, -52.6174, 30.0557
Hunter-Lab	77.6519, -5.7385, 40.0273

Details

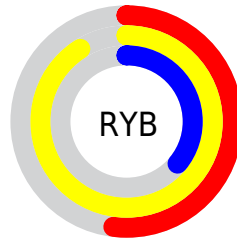
The CIELCh color **82, 57.688, 91.696** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **54, 63.159, 290.497**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **62, 57.483, 91.640** is the 20% darker color. If you saturate the color by 10%, you get **81, 65.905, 90.366**, and if you desaturate by 10%, it is **84, 48.623, 93.000**.

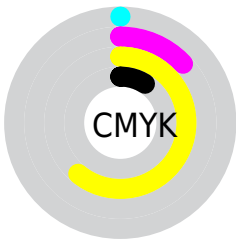
Distribution



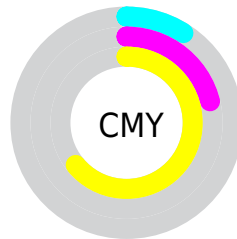
- Red (91%)
- Green (79%)
- Blue (36%)



- Red (52%)
- Yellow (91%)
- Blue (36%)



- Cyan (0%)
- Magenta (13%)
- Yellow (61%)
- Black (9%)



- Cyan (9%)
- Magenta (21%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 57.688, 91.696 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, 57.688, 91.696 by changing the saturation by 10% instead.

 82, 57.688, 91.696

 82, 57.688, 91.696

 100, 57.688,
91.696

 72, 57.688, 91.696

 62, 57.688, 91.696

 52, 57.688, 91.696

 42, 57.688, 91.696

 32, 57.688, 91.696

 22, 57.688, 91.696

 12, 57.688, 91.696

 2, 57.688, 91.696

 0, 57.688, 91.696

82, 57.688, 91.696

82, 57.688, 91.696

81, 65.905, 90.366

84, 48.623, 93.000

79, 72.634, 88.972

85, 39.128, 94.279

78, 77.093, 87.452

87, 29.454, 95.536

76, 79.032, 85.845

89, 19.744, 96.763

90, 10.077, 97.952

92, 0.492, 98.745

94, 8.989, 280.264

95, 7.023, 261.662

97, 6.212, 234.365

Harmonies

Complementary

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



82, 57.688, 91.696



54, 63.159, 290.497

Rectangle

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



82, 57.688, 91.696



82, 57.688, 141.696



82, 57.688, 271.696



82, 57.688, 321.696

Sweetspot

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



82, 57.688, 91.699



96, 18.613, 97.057



58, 58.151, 10.394



51, 12.950, 96.704



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, 57.688, 91.699



87, 72.813, 89.979



87, 70.479, 117.132



48, 5.466, 98.074



61, 65.535, 86.163



18, 25.294, 88.829

Inverse Universe

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



54, 63.159, 290.497



51, 83.715, 294.273



50, 81.801, 305.756



46, 5.521, 280.364



26, 88.394, 301.722



5, 30.306, 293.098

Previews

White Background



This preview shows how the CIELCh color 82, 57.688, 91.696 looks on a white background.

Color Contrast Check

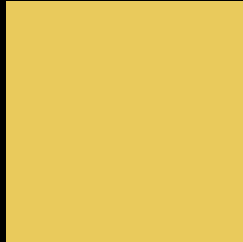
Large Text (above 18pt) WCAG AA × Fail

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, 57.688, 91.696 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, 57.688, 91.696

Background



This preview shows how black text looks on a background with the CIELCh color 82, 57.688, 91.696.



This preview shows how white text looks on a background with the CIELCh color 82, 57.688, 91.696.

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, 57.688, 91.696

Protanopia

82, 57.195, 95.588

Deuteranopia

82, 58.054, 79.638



Tritanopia
82, 21.253, 359.422

Trichromacy



Original Color
82, 57.688, 91.696

Protanomaly
82, 57.133, 93.827

Deuteranomaly
82, 57.706, 84.106

Tritanomaly
82, 24.254, 60.724

Monochromacy



Original Color
82, 57.688, 91.696

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 21.569, 96.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 57.688, 91.696 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(233, 202, 92)` looks like.

```
.text, #text, p{  
    color:rgb(233, 202, 92)  
}
```

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(233, 202, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 202, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 57.688, 91.696 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(233, 202, 92) }
```

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

```
.border{ border-color:rgb(233, 202, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 202, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 202, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 202, 92);  
box-shadow:4px 4px 4px 4px rgb(233, 202,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 57.688, 91.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 202, 92) }
```

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

```
.background{ background-color: rgb(233,  
202, 92) }
```

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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