

Converting Colors

CIELCh(82, 79.843, 95.056)

Have a look what the booklet for
CIELCh(82, 79.843, 95.056) contains.

CIELCh(82, 79.706, 94.854)	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(82, 79.706, 94.854)

Conversions

Conversions Part 1

Format	Color
Hex	E6CC1B
RGB	230, 204, 27
RGB Percent	90%, 80%, 11%
CMY	0.0966, 0.1987, 0.8957
CMYK	0.00, 0.11, 0.88, 0.10
HSL	52°, 81%, 50%
HSV	52°, 88%, 90%
XYZ	54.6100, 60.2982, 9.7724
YIQ	191.5960, 72.3130, -49.5350

Conversions

Conversions Part 2

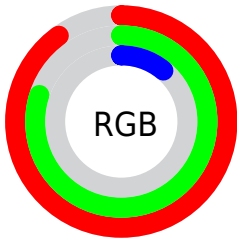
Format	Color
RYB	57, 230, 27
Decimal	15125531
CIELab	82.00, -6.74, 79.42
CIELCh	82, 79.706, 94.854
Yxy	60.2982, 0.4380, 0.4836
Android (android.graphics.Color)	4293315611 (0xFFE6CC1B)
YUV	191.5960, -81.1458, 33.6803
Hunter-Lab	77.6519, -10.3577, 46.8948

Details

The CIELCh color **82, 79.706, 94.854** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **35, 105.922, 302.329**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 76.002, 104.374**, and **62, 65.950, 94.705** is the 20% darker color. If you saturate the color by 10%, you get **81, 81.880, 93.872**, and if you desaturate by 10%, it is **83, 74.966, 95.852**.

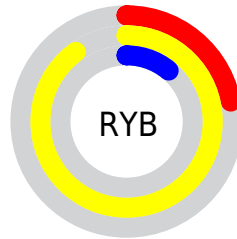
Distribution



Red (90%)

Green (80%)

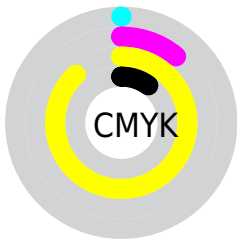
Blue (11%)



Red (22%)

Yellow (90%)

Blue (11%)

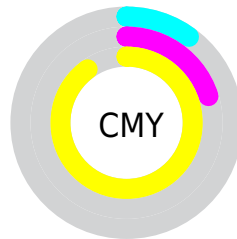


Cyan (0%)

Magenta (11%)

Yellow (88%)

Black (10%)



Cyan (10%)

Magenta (20%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 79.706, 94.854 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, 79.706, 94.854 by changing the saturation by 10% instead.

 82, 79.706, 94.854

 82, 79.706, 94.854

 100, 79.706,
94.854

 72, 79.706, 94.854

 62, 79.706, 94.854

 52, 79.706, 94.854

 42, 79.706, 94.854

 32, 79.706, 94.854

 22, 79.706, 94.854

 12, 79.706, 94.854

 2, 79.706, 94.854

 0, 79.706, 94.854

■ 82, 79.706, 94.854

■ 82, 79.706, 94.854

■ 81, 81.880, 93.872

■ 83, 74.966, 95.852

■ 81, 82.118, 93.721

■ 84, 68.001, 96.883

■ 85, 59.492, 97.955

■ 86, 50.026, 99.059

■ 87, 40.013,
100.180

■ 88, 29.714,
101.304

■ 89, 19.285,
102.416

■ 90, 8.822, 103.503

■ 92, 1.622, 284.666

Harmonies

Complementary

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



82, 79.706, 94.854



35, 105.922, 302.329

Rectangle

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



82, 79.706, 94.854



82, 79.706, 144.854



82, 79.706, 274.854



82, 79.706, 324.854

Sweetspot

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



82, 79.705, 94.856



96, 30.625, 101.449



49, 82.906, 29.218



51, 20.621, 101.065



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, 79.705, 94.856



89, 88.640, 93.664



84, 92.843, 121.951



48, 5.910, 103.397



64, 67.940, 93.888



18, 26.064, 95.987

Inverse Universe

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



35, 105.922, 302.329



35, 126.685, 304.761



37, 112.461, 309.529



44, 6.006, 285.507



23, 95.576, 304.357



3, 30.704, 294.150

Previews

White Background



This preview shows how the CIELCh color 82, 79.706, 94.854 looks on a white background.

Color Contrast Check

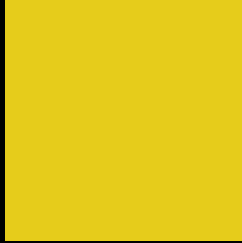
Large Text (above 18pt) WCAG AA × Fail

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, 79.706, 94.854 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, 79.706, 94.854

Background



This preview shows how black text looks on a background with the CIELCh color 82, 79.706, 94.854.



This preview shows how white text looks on a background with the CIELCh color 82, 79.706, 94.854.

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, 79.526, 94.851

Protanopia

82, 79.526, 94.851

Deuteranopia

82, 71.597, 81.948



Tritanopia
82, 20.902, 358.995

Trichromacy



Original Color
82, 79.526, 94.851

Protanomaly
82, 79.526, 94.851

Deuteranomaly
82, 74.919, 87.163

Tritanomaly
81, 34.365, 76.290

Monochromacy



Original Color
82, 79.526, 94.851

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 33.947, 100.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 79.706, 94.854 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, 204, 27)` looks like.

```
.text, #text, p{  
    color:rgb(230, 204, 27)  
}
```

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, 204, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 204, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 79.706, 94.854 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, 204, 27) }
```

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

```
.border{ border-color:rgb(230, 204, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 204, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 204, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 204, 27);  
box-shadow:4px 4px 4px 4px rgb(230, 204,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 79.706, 94.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 204, 27) }
```

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

```
.background{ background-color: rgb(230,  
204, 27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor