

Converting Colors

CIELCh(79, 77.674, 91.133)

Have a look what the booklet for
CIELCh(79, 77.674, 91.133) contains.

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Color

CIELCh(79, 77.654, 91.172)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E5C117 |
| RGB | 229, 193, 23 |
| RGB Percent | 90%, 76%, 9% |
| CMY | 0.1015, 0.2427, 0.9089 |
| CMYK | 0.00, 0.16, 0.90, 0.10 |
| HSL | 50°, 82%, 49% |
| HSV | 50°, 90%, 90% |
| XYZ | 51.6026, 54.9284, 8.7040 |
| YIQ | 184.3840, 76.0260, -45.2380 |

Conversions

Conversions Part 2

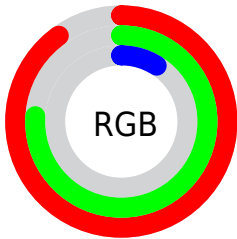
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 67, 229, 23 |
| Decimal | 15057175 |
| CIELab | 79.00, -1.59, 77.64 |
| CIELCh | 79, 77.654, 91.172 |
| Yxy | 54.9284, 0.4478, 0.4767 |
| Android (android.graphics.Color) | 4293247255 (0xFFE5C117) |
| YUV | 184.3840, -79.5623, 39.1282 |
| Hunter-Lab | 74.1137, -5.4160, 44.9165 |

Details

The CIELCh color **79, 77.654, 91.172** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **36, 101.711, 301.106**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 75.300, 102.432**, and **59, 63.691, 90.392** is the 20% darker color. If you saturate the color by 10%, you get **78, 79.642, 89.836**, and if you desaturate by 10%, it is **80, 73.212, 92.430**.

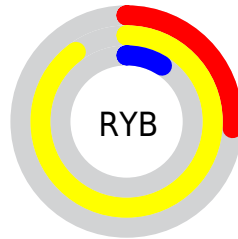
Distribution



Red (90%)

Green (76%)

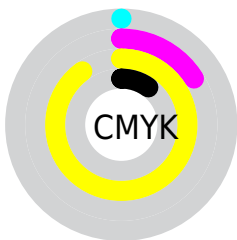
Blue (9%)



Red (26%)

Yellow (90%)

Blue (9%)

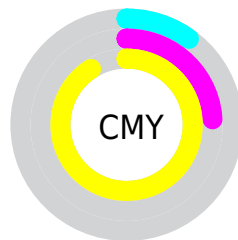


Cyan (0%)

Magenta (16%)

Yellow (90%)

Black (10%)



Cyan (10%)

Magenta (24%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 77.654, 91.172 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 79, 77.654, 91.172 by changing the saturation by 10% instead.

 79, 77.654, 91.172

 79, 77.654, 91.172

 100, 77.654,
91.172

 69, 77.654, 91.172

 99, 77.654, 91.172

 59, 77.654, 91.172

 49, 77.654, 91.172

 39, 77.654, 91.172

 29, 77.654, 91.172

 19, 77.654, 91.172

 9, 77.654, 91.172

 0, 77.654, 91.172

 79, 77.654, 91.172

 79, 77.654, 91.172

78, 79.642, 89.836

80, 73.212, 92.430

78, 79.664, 89.818

81, 66.519, 93.644

82, 58.300, 94.848

84, 49.167, 96.053

85, 39.538, 97.254

86, 29.671, 98.446

88, 19.717, 99.618

89, 9.763, 100.757

91, 0.142, 283.004

Harmonies

Complementary

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



79, 77.654, 91.172



36, 101.711, 301.106

Rectangle

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



79, 77.654, 91.172



79, 77.654, 141.172



79, 77.654, 271.172



79, 77.654, 321.172

Sweetspot

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



79, 77.653, 91.174



96, 29.253, 98.766



49, 81.153, 26.213



50, 19.712, 98.360



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 77.653, 91.174



86, 86.332, 89.730



84, 91.738, 119.862



47, 5.626, 100.802



62, 66.188, 90.059



17, 24.976, 92.572

Inverse Universe

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



36, 101.711, 301.106



36, 121.953, 303.663



35, 113.935, 308.638



45, 5.701, 283.001



24, 91.713, 303.153



4, 29.625, 293.049

Previews

White Background



This preview shows how the CIELCh color 79, 77.654, 91.172 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 79, 77.654, 91.172 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 79, 77.654, 91.172

Background



This preview shows how black text looks on a background with the CIELCh color 79, 77.654, 91.172.

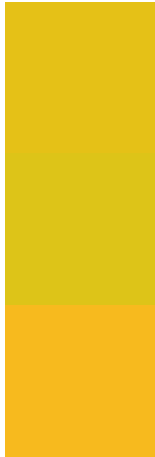


This preview shows how white text looks on a background with the CIELCh color 79, 77.654, 91.172.

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

79, 77.654, 91.172

Protanopia

79, 77.448, 94.870

Deuteranopia

79, 77.746, 82.671



Tritanopia
79, 23.730, 4.673

Trichromacy



Original Color
79, 77.654, 91.172

Protanomaly
79, 77.445, 93.527

Deuteranomaly
79, 77.412, 86.061

Tritanomaly
79, 36.320, 71.253

Monochromacy



Original Color
79, 77.654, 91.172

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 33.347, 97.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 77.654, 91.172 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(229, 193, 23)` looks like.

```
.text, #text, p{  
    color:rgb(229, 193, 23)  
}
```

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(229, 193, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 193, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 77.654, 91.172 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(229, 193, 23) }
```

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

```
.border{ border-color:rgb(229, 193, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 193, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 193, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 193, 23);  
box-shadow:4px 4px 4px 4px rgb(229, 193,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 77.654, 91.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 193, 23) }
```

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

```
.background{ background-color: rgb(229,  
193, 23) }
```

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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