

Converting Colors

CIELCh(83, 77.851, 94.895)

Have a look what the booklet for
CIELCh(83, 77.851, 94.895) contains.

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Color

CIELCh(83, 77.697, 94.926)

Conversions

Conversions Part 1

Format	Color
Hex	E9CF28
RGB	233, 207, 40
RGB Percent	91%, 81%, 16%
CMY	0.0859, 0.1879, 0.8426
CMYK	0.00, 0.11, 0.83, 0.09
HSL	52°, 81%, 54%
HSV	52°, 83%, 91%
XYZ	56.3558, 62.1629, 11.0467
YIQ	195.7360, 69.1030, -46.4250

Conversions

Conversions Part 2

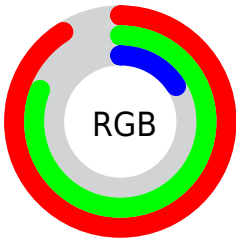
Format	Color
RYB	70, 233, 40
Decimal	15322920
CIELab	83.00, -6.67, 77.41
CIElCh	83, 77.697, 94.926
Yxy	62.1629, 0.4350, 0.4798
Android (android.graphics.Color)	4293513000 (0xFFE9CF28)
YUV	195.7360, -76.7778, 32.6805
Hunter-Lab	78.8435, -10.3877, 46.8834

Details

The CIELCh color **83, 77.697, 94.926** 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 **38, 99.425, 300.680**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 72.857, 104.610**, and **63, 66.886, 94.850** is the 20% darker color. If you saturate the color by 10%, you get **82, 81.325, 93.899**, and if you desaturate by 10%, it is **84, 71.564, 95.974**.

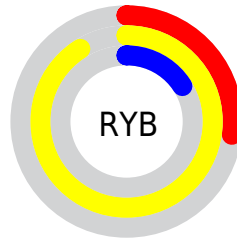
Distribution



Red (91%)

Green (81%)

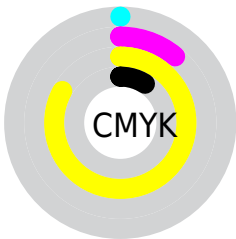
Blue (16%)



Red (27%)

Yellow (91%)

Blue (16%)

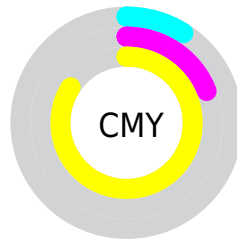


Cyan (0%)

Magenta (11%)

Yellow (83%)

Black (9%)



Cyan (9%)

Magenta (19%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 77.697, 94.926 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 83, 77.697, 94.926 by changing the saturation by 10% instead.

 83, 77.697, 94.926

 83, 77.697, 94.926

 100, 77.697,
94.926

 73, 77.697, 94.926

 63, 77.697, 94.926

 53, 77.697, 94.926

 43, 77.697, 94.926

 33, 77.697, 94.926

 23, 77.697, 94.926

 13, 77.697, 94.926

 3, 77.697, 94.926

 0, 77.697, 94.926

83, 77.697, 94.926

83, 77.697, 94.926

82, 81.325, 93.899

84, 71.564, 95.974

82, 82.502, 93.149

85, 63.582, 97.053

86, 54.411, 98.162

87, 44.543, 99.291

88, 34.298,
100.427

89, 23.873,
101.555

91, 13.385,
102.664

92, 2.902, 103.714

93, 7.537, 284.832

Harmonies

Complementary

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



83, 77.697, 94.926



38, 99.425, 300.680

Rectangle

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



83, 77.697, 94.926



83, 77.697, 144.926



83, 77.697, 274.926



83, 77.697, 324.926

Sweetspot

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



83, 77.697, 94.928



96, 28.170, 101.293



51, 78.607, 25.305



51, 19.210, 100.895



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 77.697, 94.928



88, 88.129, 93.200



85, 90.235, 120.868



49, 5.974, 103.024



65, 68.368, 93.324



19, 27.190, 95.299

Inverse Universe

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



38, 99.425, 300.680



35, 125.206, 304.456



39, 108.867, 309.168



45, 6.069, 285.153



24, 96.125, 304.219



4, 32.405, 295.104

Previews

White Background



This preview shows how the CIELCh color 83, 77.697, 94.926 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 83, 77.697, 94.926 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 83, 77.697, 94.926

Background



This preview shows how black text looks on a background with the CIELCh color 83, 77.697, 94.926.



This preview shows how white text looks on a background with the CIELCh color 83, 77.697, 94.926.

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

83, 77.697, 94.926

Protanopia

83, 77.697, 94.926

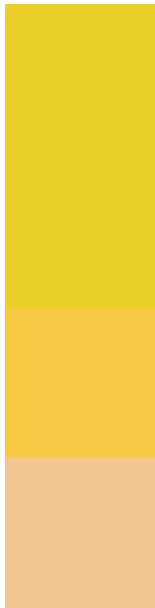
Deuteranopia

83, 62.568, 81.130



Tritanopia
83, 20.844, 358.964

Trichromacy



Original Color
83, 77.697, 94.926

Protanomaly
83, 77.697, 94.926

Deuteranomaly
83, 68.672, 87.181

Tritanomaly
82, 32.434, 74.776

Monochromacy



Original Color
83, 77.697, 94.926

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 32.251, 100.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 77.697, 94.926 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, 207, 40)` looks like.

```
.text, #text, p{  
    color:rgb(233, 207, 40)  
}
```

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, 207, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 207, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 77.697, 94.926 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, 207, 40) }
```

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

```
.border{ border-color:rgb(233, 207, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 207, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 207, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 207, 40);  
box-shadow:4px 4px 4px 4px rgb(233, 207,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 77.697, 94.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 207, 40) }
```

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

```
.background{ background-color: rgb(233,  
207, 40) }
```

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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