

Converting Colors

CIELCh(77, 40.994, 80.300)

Have a look what the booklet for
CIELCh(77, 40.994, 80.300) contains.

CIELCh(77, 41.114, 80.735)	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(77, 41.114, 80.735)

Conversions

Conversions Part 1

Format	Color
Hex	E2B873
RGB	226, 184, 115
RGB Percent	89%, 72%, 45%
CMY	0.1148, 0.2794, 0.5500
CMYK	0.00, 0.19, 0.49, 0.11
HSL	37°, 65%, 67%
HSV	37°, 49%, 89%
XYZ	51.4460, 51.5317, 23.3821
YIQ	188.6920, 47.1810, -12.5550

Conversions

Conversions Part 2

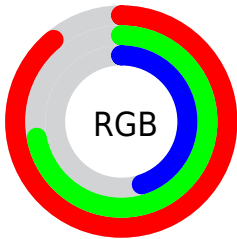
Format	Color
RYB	183, 226, 115
Decimal	14858355
CIELab	77.00, 6.62, 40.58
CIELCh	77, 41.114, 80.735
Yxy	51.5317, 0.4071, 0.4078
Android (android.graphics.Color)	4293048435 (0xFFE2B873)
YUV	188.6920, -36.3302, 32.7191
Hunter-Lab	71.7856, 2.2994, 30.9379

Details

The CIELCh color **77, 41.114, 80.735** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64, 39.611, 276.565**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 37.039, 98.066**, and **57, 40.991, 80.781** is the 20% darker color. If you saturate the color by 10%, you get **75, 49.800, 79.260**, and if you desaturate by 10%, it is **79, 32.409, 82.163**.

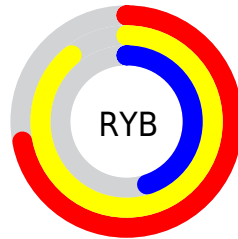
Distribution



Red (89%)

Green (72%)

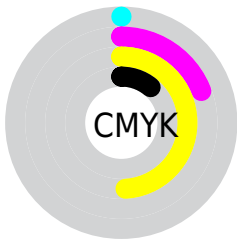
Blue (45%)



Red (72%)

Yellow (89%)

Blue (45%)

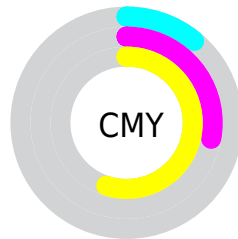


Cyan (0%)

Magenta (19%)

Yellow (49%)

Black (11%)



Cyan (11%)

Magenta (28%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 41.114, 80.735 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 77, 41.114, 80.735 by changing the saturation by 10% instead.

■ 77, 41.114, 80.735

■ 77, 41.114, 80.735

■ 100, 41.114,
80.735

■ 67, 41.114, 80.735

■ 97, 41.114, 80.735

■ 57, 41.114, 80.735

■ 47, 41.114, 80.735

■ 37, 41.114, 80.735

■ 27, 41.114, 80.735

■ 17, 41.114, 80.735

■ 7, 41.114, 80.735

■ 0, 41.114, 80.735

■ 77, 41.114, 80.735

■ 77, 41.114, 80.735

75, 49.800, 79.260

79, 32.409, 82.163

72, 58.174, 77.684

82, 23.831, 83.543

70, 65.703, 75.925

85, 15.446, 84.882

68, 71.553, 73.814

87, 7.279, 86.166

66, 75.083, 71.179

90, 0.670, 267.916

66, 75.354, 70.957

93, 8.410, 268.717

95, 8.340, 244.300

97, 9.026, 208.543

98, 9.934, 198.845

Harmonies

Complementary

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



77, 41.114, 80.735



64, 39.611, 276.565

Rectangle

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



77, 41.114, 80.735



77, 41.114, 130.735



77, 41.114, 260.735



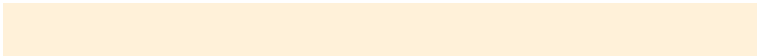
77, 41.114, 310.735

Sweetspot

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



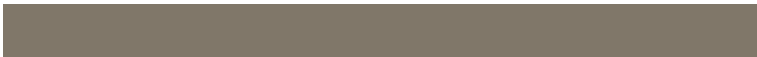
77, 41.114, 80.739



96, 13.275, 85.412



62, 47.805, 356.578



50, 9.084, 85.136



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 41.114, 80.739



83, 54.834, 79.223



87, 55.990, 110.941



46, 4.493, 86.131



52, 62.519, 71.540



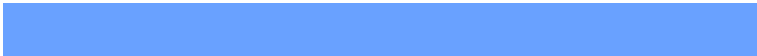
13, 20.281, 73.838

Inverse Universe

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



64, 39.611, 276.565



66, 52.798, 279.526



54, 63.836, 300.371



44, 4.469, 268.662



32, 68.475, 293.744



6, 22.778, 284.239

Previews

White Background



This preview shows how the CIELCh color 77, 41.114, 80.735 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 CIE LCh color 77, 41.114, 80.735 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 77, 41.114, 80.735

Background



This preview shows how black text looks on a background with the CIELCh color 77, 41.114, 80.735.

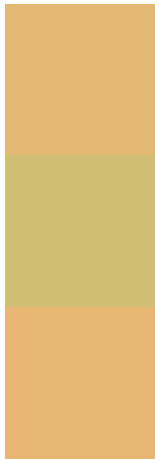


This preview shows how white text looks on a background with the CIELCh color 77, 41.114, 80.735.

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


77, 41.114, 80.735

Protanopia

77, 39.252, 95.364

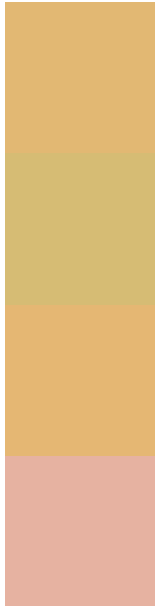
Deuteranopia

77, 41.824, 76.570



Tritanopia
77, 23.109, 4.097

Trichromacy



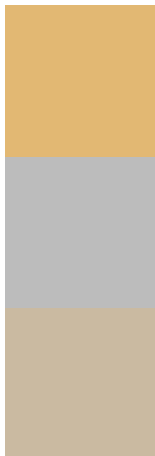
Original Color
77, 41.114, 80.735

Protanomaly
77, 39.705, 90.411

Deuteranomaly
77, 41.549, 78.377

Tritanomaly
77, 22.972, 43.995

Monochromacy



Original Color
77, 41.114, 80.735

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 14.822, 83.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 41.114, 80.735 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(226, 184, 115)` looks like.

```
.text, #text, p{  
    color:rgb(226, 184, 115)  
}
```

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(226, 184, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 184, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 41.114, 80.735 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(226, 184, 115) }
```

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

```
.border{ border-color:rgb(226, 184, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 184, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 184, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 184, 115);  
box-shadow:4px 4px 4px 4px rgb(226, 184,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 41.114, 80.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 184, 115) }
```

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

```
.background{ background-color: rgb(226,  
184, 115) }
```

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