

Converting Colors

CIELCh(77, 44.414, 114.292)

Have a look what the booklet for
CIELCh(77, 44.414, 114.292)
contains.

CIELCh(77, 44.650, 114.070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 44.650, 114.070)

Conversions

Conversions Part 1

Format	Color
Hex	B7C671
RGB	183, 198, 113
RGB Percent	72%, 78%, 44%
CMY	0.2831, 0.2243, 0.5576
CMYK	0.08, 0.00, 0.43, 0.22
HSL	71°, 43%, 61%
HSV	71°, 43%, 78%
XYZ	42.6028, 51.5317, 23.2710
YIQ	183.8250, 18.3450, -29.6150

Conversions

Conversions Part 2

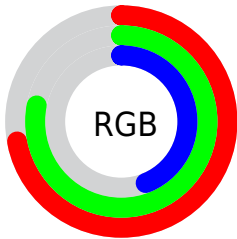
Format	Color
RYB	113, 198, 128
Decimal	12043889
CIELab	77.00, -18.21, 40.77
CIELCh	77, 44.650, 114.070
Yxy	51.5317, 0.3629, 0.4389
Android (android.graphics.Color)	4290233969 (0xFFB7C671)
YUV	183.8250, -34.9167, -0.7235
Hunter-Lab	71.7856, -19.6899, 31.0297

Details

The CIELCh color **77, 44.650, 114.070** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **52, 49.576, 301.173**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 44.892, 114.232**, and **57, 44.389, 114.310** is the 20% darker color. If you saturate the color by 10%, you get **77, 54.200, 113.465**, and if you desaturate by 10%, it is **78, 34.603, 114.750**.

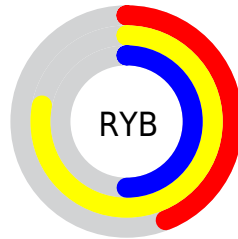
Distribution



Red (72%)

Green (78%)

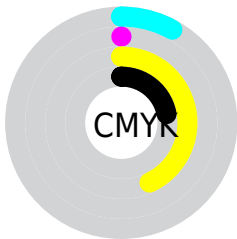
Blue (44%)



Red (44%)

Yellow (78%)

Blue (50%)

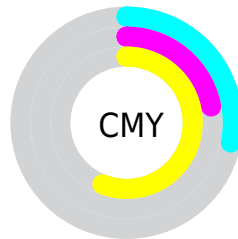


Cyan (8%)

Magenta (0%)

Yellow (43%)

Black (22%)



Cyan (28%)

Magenta (22%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.650, 114.070 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, 44.650, 114.070 by changing the saturation by 10% instead.

 77, 44.650,
114.070

 77, 44.650,
114.070


 100, 44.650,
114.070


 67, 44.650,
114.070


 97, 44.650,
114.070

 57, 44.650,
114.070

 47, 44.650,
114.070

 37, 44.650,
114.070

 27, 44.650,
114.070

 17, 44.650,
114.070

 7, 44.650, 114.070

■ 0, 44.650, 114.070

■ 77, 44.650,
114.070

■ 77, 44.650,
114.070

■ 77, 54.200,
113.465

■ 78, 34.603,
114.750

■ 76, 62.951,
112.980

■ 78, 24.254,
115.460

■ 76, 70.496,
112.690

■ 79, 13.737,
116.177

■ 75, 76.347,
112.681

■ 80, 3.139, 116.884

■ 75, 80.101,
113.030

■ 80, 7.481, 297.567

■ 75, 81.726,
113.450

■ 81, 18.081,
298.222

■ 82, 28.632,

298.843

■ 83, 30.720,
300.693

■ 83, 30.902,
302.828

Harmonies

Complementary

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



77, 44.650, 114.070



52, 49.576, 301.173

Rectangle

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



77, 44.650, 114.070



77, 44.650, 164.070



77, 44.650, 294.070



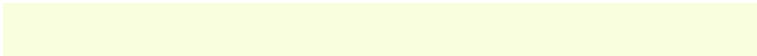
77, 44.650, 344.070

Sweetspot

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



77, 44.651, 114.072



99, 16.927, 116.160



60, 32.096, 36.533



53, 11.839, 116.000



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, 44.651, 114.072



96, 65.417, 113.475



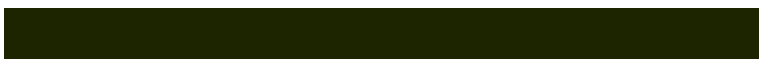
74, 49.966, 132.587



42, 6.038, 116.432



63, 70.819, 113.312



13, 20.681, 116.280

Inverse Universe

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



52, 49.576, 301.173



59, 74.962, 302.434



56, 51.817, 316.501



39, 6.165, 297.784



20, 94.567, 307.130



2, 21.638, 296.391

Previews

White Background



This preview shows how the CIELCh color 77, 44.650, 114.070 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 77, 44.650, 114.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

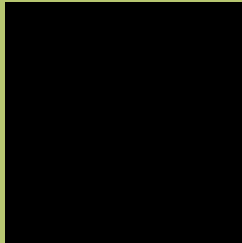
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 44.650, 114.070

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.650, 114.070.



This preview shows how white text looks on a background with the CIELCh color 77, 44.650, 114.070.

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, 44.650, 114.070

Protanopia
77, 42.721, 95.861

Deuteranopia
77, 40.494, 75.677



Tritanopia
77, 8.491, 308.222

Trichromacy



Original Color
77, 44.650, 114.070

Protanomaly
77, 42.938, 102.759

Deuteranomaly
77, 39.740, 90.384

Tritanomaly
77, 11.230, 111.081

Monochromacy



Original Color
77, 44.650, 114.070

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 16.709, 115.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.650, 114.070 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(183, 198, 113)` looks like.

```
.text, #text, p{  
    color:rgb(183, 198, 113)  
}
```

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(183, 198, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 198, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.650, 114.070 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(183, 198, 113) }
```

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

```
.border{ border-color:rgb(183, 198, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 198, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 198, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 198, 113);  
box-shadow:4px 4px 4px 4px rgb(183, 198,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.650, 114.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 198, 113) }
```

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

```
.background{ background-color: rgb(183,  
198, 113) }
```

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