

Converting Colors

CIELCh(77, 42.789, 104.725)

Have a look what the booklet for
CIELCh(77, 42.789, 104.725)
contains.

CIELCh(77, 42.833, 105.030)	3
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Color

CIELCh(77, 42.833, 105.030)

Conversions

Conversions Part 1

Format	Color
Hex	C4C270
RGB	196, 194, 112
RGB Percent	77%, 76%, 44%
CMY	0.2311, 0.2389, 0.5605
CMYK	0.00, 0.01, 0.43, 0.23
HSL	59°, 42%, 60%
HSV	59°, 43%, 77%
XYZ	45.0196, 51.5317, 22.9224
YIQ	185.2500, 27.5140, -25.0780

Conversions

Conversions Part 2

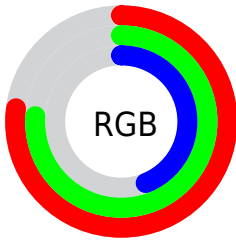
Format	Color
RYB	114, 196, 112
Decimal	12894832
CIELab	77.00, -11.11, 41.37
CIELCh	77, 42.833, 105.030
Yxy	51.5317, 0.3768, 0.4313
Android (android.graphics.Color)	4291084912 (0xFFC4C270)
YUV	185.2500, -36.1123, 9.4277
Hunter-Lab	71.7856, -13.6804, 31.3176

Details

The CIELCh color $77, 42.833, 105.030$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $51, 47.693, 295.162$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 42.699, 104.758$, and $57, 42.878, 105.079$ is the 20% darker color. If you saturate the color by 10%, you get $77, 52.048, 104.119$, and if you desaturate by 10%, it is $77, 33.148, 105.993$.

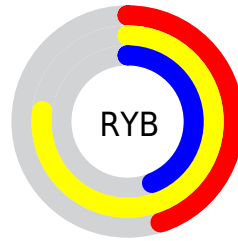
Distribution



Red (77%)

Green (76%)

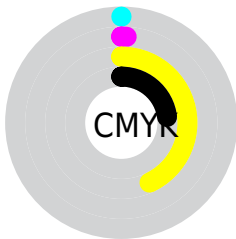
Blue (44%)



Red (45%)

Yellow (77%)

Blue (44%)

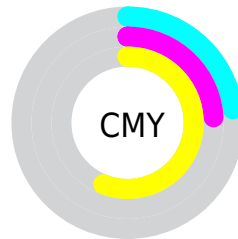


Cyan (0%)

Magenta (1%)

Yellow (43%)

Black (23%)



Cyan (23%)


Magenta (24%)

Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.833, 105.030 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, 42.833, 105.030 by changing the saturation by 10% instead.


 77, 42.833,
105.030

 77, 42.833,
105.030


 100, 42.833,
105.030


 67, 42.833,
105.030


 97, 42.833,
105.030

 57, 42.833,
105.030

 47, 42.833,
105.030

 37, 42.833,
105.030

 27, 42.833,
105.030

 17, 42.833,
105.030

 7, 42.833, 105.030

0, 42.833, 105.030

77, 42.833,
105.030

77, 42.833,
105.030

77, 52.048,
104.119

77, 33.148,
105.993

76, 60.491,
103.280

78, 23.186,
106.976

76, 67.744,
102.550

78, 13.073,
107.961

76, 73.302,
101.966

79, 2.891, 108.919

76, 76.736,
101.550

80, 7.311, 289.911

76, 78.125,
101.333

80, 17.498,
290.832

81, 27.647,

291.722

■ 81, 30.395,
291.750

■ 82, 30.136,
291.431

Harmonies

Complementary

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



77, 42.833, 105.030



51, 47.693, 295.162

Rectangle

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



77, 42.833, 105.030



77, 42.833, 155.030



77, 42.833, 285.030



77, 42.833, 335.030

Sweetspot

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



77, 42.834, 105.033



99, 16.379, 107.926



57, 35.872, 21.295



53, 11.456, 107.706



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, 42.834, 105.033



97, 62.295, 104.211



75, 46.774, 125.867



41, 5.718, 108.301



63, 67.414, 101.356



12, 18.090, 105.462

Inverse Universe

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



51, 47.693, 295.162



59, 71.586, 296.956



54, 50.020, 310.159



37, 5.839, 290.199



19, 93.561, 305.948



1, 19.147, 290.507

Previews

White Background



This preview shows how the CIELCh color 77, 42.833, 105.030 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, 42.833, 105.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

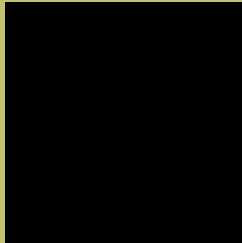
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.833, 105.030

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.833, 105.030.



This preview shows how white text looks on a background with the CIELCh color 77, 42.833, 105.030.

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, 42.833, 105.030

Protanopia
77, 42.229, 95.798

Deuteranopia
77, 41.410, 76.260



Tritanopia
77, 11.092, 337.724

Trichromacy



Original Color
77, 42.833, 105.030

Protanomaly
77, 42.323, 98.722

Deuteranomaly
77, 40.644, 86.891

Tritanomaly
77, 12.494, 83.185

Monochromacy



Original Color
77, 42.833, 105.030

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 16.058, 107.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.833, 105.030 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(196, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(196, 194, 112)  
}
```

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(196, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 194, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.833, 105.030 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(196, 194, 112) }
```

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

```
.border{ border-color:rgb(196, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 194, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 194, 112);  
box-shadow:4px 4px 4px 4px rgb(196, 194,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.833, 105.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 194, 112) }
```

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

```
.background{ background-color: rgb(196,  
194, 112) }
```

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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