

Converting Colors

CIELCh(77, 46.283, 109.089)

Have a look what the booklet for
CIELCh(77, 46.283, 109.089)
contains.

CIELCh(77, 46.265, 108.985)	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, 46.265, 108.985)

Conversions

Conversions Part 1

Format	Color
Hex	BEC46B
RGB	190, 196, 107
RGB Percent	75%, 77%, 42%
CMY	0.2546, 0.2311, 0.5801
CMYK	0.03, 0.00, 0.45, 0.23
HSL	64°, 43%, 59%
HSV	64°, 45%, 77%
XYZ	43.6669, 51.5317, 21.5738
YIQ	184.0600, 24.9930, -28.9510

Conversions

Conversions Part 2

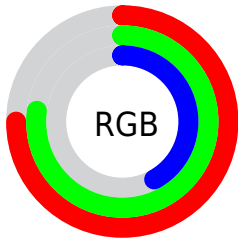
Format	Color
RYB	107, 196, 113
Decimal	12502123
CIELab	77.00, -15.05, 43.75
CIELCh	77, 46.265, 108.985
Yxy	51.5317, 0.3739, 0.4413
Android (android.graphics.Color)	4290692203 (0xFFBEC46B)
YUV	184.0600, -37.9906, 5.2094
Hunter-Lab	71.7856, -17.0439, 32.4315

Details

The CIELCh color **77, 46.265, 108.985** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **50, 52.145, 298.360**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 46.503, 109.027**, and **57, 46.254, 108.667** is the 20% darker color. If you saturate the color by 10%, you get **77, 55.469, 108.244**, and if you desaturate by 10%, it is **77, 36.495, 109.801**.

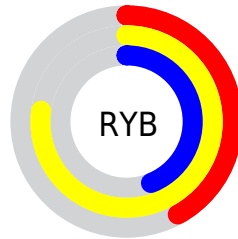
Distribution



Red (75%)

Green (77%)

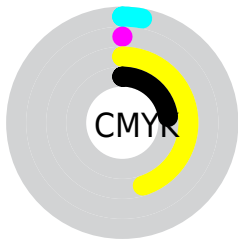
Blue (42%)



Red (42%)

Yellow (77%)

Blue (44%)

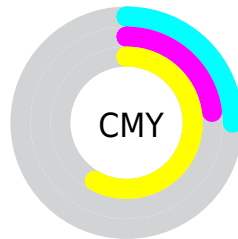


Cyan (3%)

Magenta (0%)

Yellow (45%)

Black (23%)



Cyan (25%)

Magenta (23%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 46.265, 108.985 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, 46.265, 108.985 by changing the saturation by 10% instead.


 77, 46.265,
108.985


 77, 46.265,
108.985


 100, 46.265,
108.985

 67, 46.265,
108.985


 97, 46.265,
108.985

 57, 46.265,
108.985

 47, 46.265,
108.985

 37, 46.265,
108.985

 27, 46.265,
108.985

 17, 46.265,
108.985

 7, 46.265, 108.985

0, 46.265, 108.985

77, 46.265,
108.985

77, 46.265,
108.985

77, 55.469,
108.244

77, 36.495,
109.801

76, 63.774,
107.614

78, 26.377,
110.652

76, 70.741,
107.153

78, 16.058,
111.514

76, 75.882,
106.917

79, 5.634, 112.369

76, 78.863,
106.950

79, 4.833, 293.225

76, 79.794,
107.019

80, 15.301,
294.033

81, 25.739,

294.813

■ 81, 31.413,
295.578

■ 81, 31.440,
296.358

Harmonies

Complementary

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



77, 46.265, 108.985



50, 52.145, 298.360

Rectangle

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



77, 46.265, 108.985



77, 46.265, 158.985



77, 46.265, 288.985



77, 46.265, 338.985

Sweetspot

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



77, 46.266, 108.988



99, 18.083, 111.616



57, 36.588, 28.743



53, 12.476, 111.427



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, 46.266, 108.988



97, 67.008, 108.282



74, 50.793, 129.268



41, 5.865, 112.033



63, 68.829, 106.959



12, 18.689, 110.837

Inverse Universe

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



50, 52.145, 298.360



57, 78.163, 299.992



54, 53.656, 313.449



37, 5.994, 293.684



19, 94.360, 306.523



1, 19.504, 292.960

Previews

White Background



This preview shows how the CIELCh color 77, 46.265, 108.985 looks on a white background.

Color Contrast Check

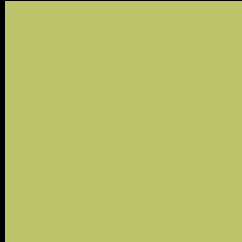
Large Text (above 18pt) WCAG AA × Fail

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, 46.265, 108.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

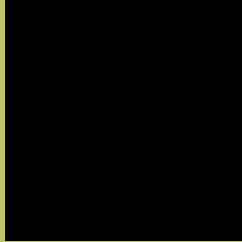
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 46.265, 108.985

Background



This preview shows how black text looks on a background with the CIELCh color 77, 46.265, 108.985.



This preview shows how white text looks on a background with the CIELCh color 77, 46.265, 108.985.

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, 46.265, 108.985

Protanopia
77, 45.249, 95.601

Deuteranopia
77, 43.481, 76.853



Tritanopia
77, 10.007, 326.584

Trichromacy



Original Color
77, 46.265, 108.985

Protanomaly
77, 45.081, 100.524

Deuteranomaly
77, 42.281, 88.631

Tritanomaly
77, 12.680, 94.799

Monochromacy



Original Color
77, 46.265, 108.985

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 17.146, 111.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 46.265, 108.985 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(190, 196, 107)` looks like.

```
.text, #text, p{  
    color:rgb(190, 196, 107)  
}
```

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(190, 196, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 196, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 46.265, 108.985 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(190, 196, 107) }
```

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

```
.border{ border-color:rgb(190, 196, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 196, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 196, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 196, 107);  
box-shadow:4px 4px 4px 4px rgb(190, 196,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 46.265, 108.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 196, 107) }
```

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

```
.background{ background-color: rgb(190,  
196, 107) }
```

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