

Converting Colors

CIELCh(77, 50.321, 106.621)

Have a look what the booklet for
CIELCh(77, 50.321, 106.621)
contains.

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Color

CIELCh(77, 50.513, 106.908)

Conversions

Conversions Part 1

Format	Color
Hex	C1C462
RGB	193, 196, 98
RGB Percent	76%, 77%, 38%
CMY	0.2443, 0.2324, 0.6167
CMYK	0.02, 0.00, 0.50, 0.23
HSL	62°, 45%, 58%
HSV	62°, 50%, 77%
XYZ	43.7893, 51.5317, 19.1295
YIQ	183.9310, 29.6700, -31.1140

Conversions

Conversions Part 2

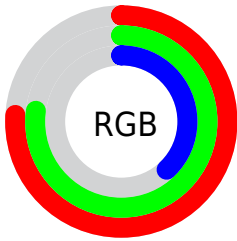
Format	Color
R_{YB}	98, 196, 101
Decimal	12698722
CIE _{Lab}	77.00, -14.69, 48.33
CIE _{LCh}	77, 50.513, 106.908
Yxy	51.5317, 0.3826, 0.4503
Android (android.graphics.Color)	4290888802 (0xFFC1C462)
YUV	183.9310, -42.3640, 7.9535
Hunter-Lab	71.7856, -16.7397, 34.4503

Details

The CIELCh color **77, 50.513, 106.908** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **46, 57.965, 298.208**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 50.310, 106.747**, and **57, 50.136, 106.889** is the 20% darker color. If you saturate the color by 10%, you get **77, 59.317, 106.151**, and if you desaturate by 10%, it is **77, 41.001, 107.753**.

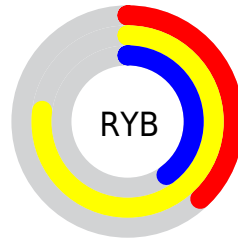
Distribution



Red (76%)

Green (77%)

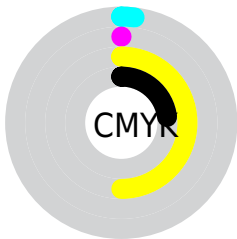
Blue (38%)



Red (38%)

Yellow (77%)

Blue (40%)

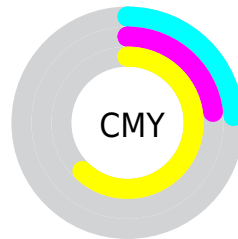


Cyan (2%)

Magenta (0%)

Yellow (50%)

Black (23%)



Cyan (24%)

Magenta (23%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 50.513, 106.908 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, 50.513, 106.908 by changing the saturation by 10% instead.

 77, 50.513,
106.908

 77, 50.513,
106.908

 100, 50.513,
106.908

 67, 50.513,
106.908

 97, 50.513,
106.908


 57, 50.513,
106.908

 47, 50.513,
106.908

 37, 50.513,
106.908

 27, 50.513,
106.908

 17, 50.513,
106.908

 7, 50.513, 106.908

0, 50.513, 106.908

77, 50.513,
106.908

77, 50.513,
106.908

77, 59.317,
106.151

77, 41.001,
107.753

77, 67.026,
105.516

78, 31.050,
108.644

76, 73.162,
105.055

78, 20.837,
109.557

76, 77.274,
104.809

79, 10.481,
110.472

76, 79.480,
104.763

79, 0.056, 110.454

80, 10.389,
292.273

■ 80, 20.819,
293.125

■ 81, 31.211,
293.942

■ 81, 31.575,
294.309

Harmonies

Complementary

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



77, 50.513, 106.908



46, 57.965, 298.208

Rectangle

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



77, 50.513, 106.908



77, 50.513, 156.908



77, 50.513, 286.908



77, 50.513, 336.908

Sweetspot

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



77, 50.514, 106.911



99, 19.345, 110.000



54, 42.570, 26.127



53, 13.189, 109.804



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, 50.514, 106.911



97, 73.279, 106.089



74, 54.860, 127.356



41, 5.858, 110.536



64, 68.654, 104.736



12, 18.636, 108.605

Inverse Universe

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



46, 57.965, 298.208



52, 87.796, 300.359



51, 58.868, 312.111



37, 5.987, 292.301



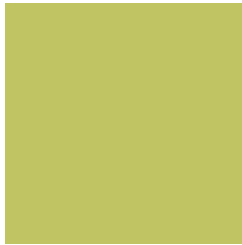
18, 94.556, 306.395



1, 19.488, 291.968

Previews

White Background



This preview shows how the CIELCh color 77, 50.513, 106.908 looks on a white background.

Color Contrast Check

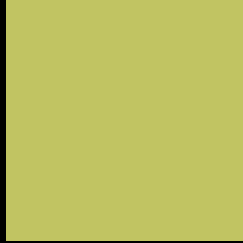
Large Text (above 18pt) WCAG AA × Fail

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, 50.513, 106.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

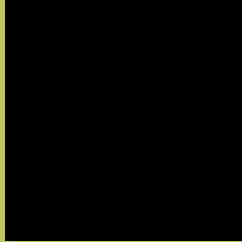
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 50.513, 106.908

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.513, 106.908.



This preview shows how white text looks on a background with the CIELCh color 77, 50.513, 106.908.

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





Tritanopia
77, 10.051, 331.845

Trichromacy



Original Color
77, 50.513, 106.908

Protanomaly
77, 49.504, 99.552

Deuteranomaly
77, 47.358, 88.830

Tritanomaly
77, 14.953, 93.586

Monochromacy



Original Color
77, 50.513, 106.908

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 18.723, 109.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.513, 106.908 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(193, 196, 98)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 98)  
}
```

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(193, 196, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.513, 106.908 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(193, 196, 98) }
```

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

```
.border{ border-color:rgb(193, 196, 98) }
```

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

Here you see how a box with a 4 pixel rgb(193, 196, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 196, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 196, 98);  
box-shadow:4px 4px 4px 4px rgb(193, 196,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.513, 106.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 98) }
```

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

```
.background{ background-color: rgb(193,  
196, 98) }
```

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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