

Converting Colors

CIELCh(77, 47.665, 102.106)

Have a look what the booklet for
CIELCh(77, 47.665, 102.106)
contains.

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Color

CIELCh(77, 47.361, 102.113)

Conversions

Conversions Part 1

Format	Color
Hex	C8C166
RGB	200, 193, 102
RGB Percent	78%, 76%, 40%
CMY	0.2147, 0.2421, 0.5991
CMYK	0.00, 0.03, 0.49, 0.21
HSL	56°, 47%, 59%
HSV	56°, 49%, 79%
XYZ	45.4260, 51.5317, 20.1847
YIQ	184.7190, 33.3830, -26.8170

Conversions

Conversions Part 2

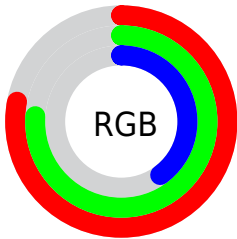
Format	Color
RYB	110, 200, 102
Decimal	13156710
CIELab	77.00, -9.94, 46.31
CIELCh	77, 47.361, 102.113
Yxy	51.5317, 0.3878, 0.4399
Android (android.graphics.Color)	4291346790 (0xFFC8C166)
YUV	184.7190, -40.7805, 13.4014
Hunter-Lab	71.7856, -12.6698, 33.5788

Details

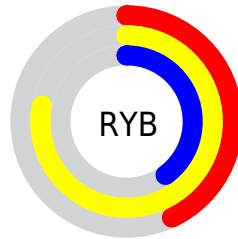
The CIELCh color **77, 47.361, 102.113** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **50, 53.185, 294.533**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 47.117, 103.612**, and **57, 47.562, 102.284** is the 20% darker color. If you saturate the color by 10%, you get **76, 56.059, 101.143**, and if you desaturate by 10%, it is **78, 38.086, 103.131**.

Distribution



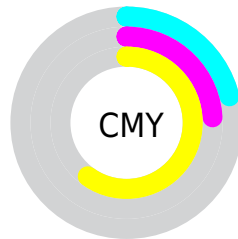
- Red (78%)
- Green (76%)
- Blue (40%)



- Red (43%)
- Yellow (78%)
- Blue (40%)



- Cyan (0%)
- Magenta (3%)
- Yellow (49%)
- Black (21%)





- Cyan (21%)
- Magenta (24%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 47.361, 102.113 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, 47.361, 102.113 by changing the saturation by 10% instead.


 77, 47.361,
102.113


 77, 47.361,
102.113


 100, 47.361,
102.113


 67, 47.361,
102.113


 97, 47.361,
102.113

 57, 47.361,
102.113

 47, 47.361,
102.113

 37, 47.361,
102.113

 27, 47.361,
102.113

 17, 47.361,
102.113

 7, 47.361, 102.113

■ 0, 47.361, 102.113

■ 77, 47.361,
102.113

■ 77, 47.361,
102.113

■ 76, 56.059,
101.143

■ 78, 38.086,
103.131

■ 76, 63.803,
100.237

■ 78, 28.478,
104.167

■ 75, 70.090, 99.424

■ 79, 18.695,
105.207

■ 75, 74.373, 98.721

■ 80, 8.832, 106.232

■ 74, 76.527, 98.118

■ 81, 1.050, 287.341

■ 74, 76.715, 98.056

■ 82, 10.914,
288.241

■ 83, 20.738,

289.181

■ 83, 26.591,
289.323

■ 84, 25.826,
288.121

Harmonies

Complementary

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



77, 47.361, 102.113



50, 53.185, 294.533

Rectangle

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



77, 47.361, 102.113



77, 47.361, 152.113



77, 47.361, 282.113



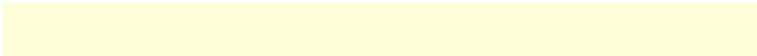
77, 47.361, 332.113

Sweetspot

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



77, 47.362, 102.116



98, 18.016, 105.592



55, 41.904, 18.784



52, 12.288, 105.372



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, 47.362, 102.116



95, 68.132, 101.059



76, 53.311, 123.727



42, 5.567, 106.188



62, 65.949, 98.132



12, 18.671, 101.955

Inverse Universe

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



50, 53.185, 294.533



55, 79.676, 296.989



51, 58.184, 308.986



39, 5.673, 288.167



20, 92.428, 305.287



2, 20.426, 289.884

Previews

White Background



This preview shows how the CIELCh color 77, 47.361, 102.113 looks on a white background.

Color Contrast Check

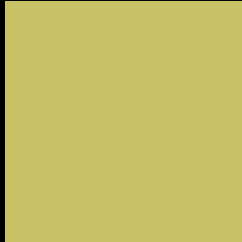
Large Text (above 18pt) WCAG AA × Fail

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, 47.361, 102.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

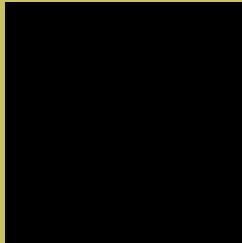
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 47.361, 102.113

Background



This preview shows how black text looks on a background with the CIELCh color 77, 47.361, 102.113.



This preview shows how white text looks on a background with the CIELCh color 77, 47.361, 102.113.

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, 47.361, 102.113

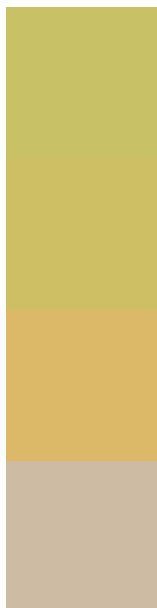
Protanopia
77, 47.178, 95.803

Deuteranopia
77, 46.455, 77.822



Tritanopia
77, 12.529, 343.706

Trichromacy



Original Color
77, 47.361, 102.113

Protanomaly
77, 47.327, 97.928

Deuteranomaly
77, 45.481, 86.654

Tritanomaly
77, 14.893, 78.755

Monochromacy



Original Color
77, 47.361, 102.113

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 17.685, 104.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 47.361, 102.113 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(200, 193, 102)` looks like.

```
.text, #text, p{  
    color:rgb(200, 193, 102)  
}
```

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(200, 193, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 193, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 47.361, 102.113 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(200, 193, 102) }
```

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

```
.border{ border-color:rgb(200, 193, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 193, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 193, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 193, 102);  
box-shadow:4px 4px 4px 4px rgb(200, 193,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 47.361, 102.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 193, 102) }
```

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

```
.background{ background-color: rgb(200,  
193, 102) }
```

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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