

Converting Colors

CIELCh(77, 53.364, 120.754)

Have a look what the booklet for
CIELCh(77, 53.364, 120.754)
contains.

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Color

CIELCh(77, 53.306, 120.672)

Conversions

Conversions Part 1

Format	Color
Hex	A8CA66
RGB	168, 202, 102
RGB Percent	66%, 79%, 40%
CMY	0.3411, 0.2078, 0.5999
CMYK	0.17, 0.00, 0.50, 0.21
HSL	80°, 49%, 60%
HSV	80°, 50%, 79%
XYZ	39.6727, 51.5317, 20.4288
YIQ	180.4340, 11.8360, -38.3080

Conversions

Conversions Part 2

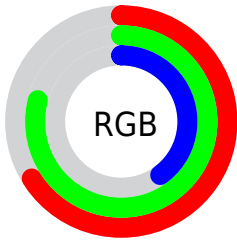
Format	Color
RYB	102, 202, 136
Decimal	11061862
CIELab	77.00, -27.19, 45.85
CIElCh	77, 53.306, 120.672
Yxy	51.5317, 0.3554, 0.4616
Android (android.graphics.Color)	4289251942 (0xFFA8CA66)
YUV	180.4340, -38.6680, -10.9046
Hunter-Lab	71.7856, -26.9760, 33.3771

Details

The CIELCh color **77, 53.306, 120.672** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **51, 59.047, 306.722**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 51.215, 119.515**, and **57, 53.299, 120.635** is the 20% darker color. If you saturate the color by 10%, you get **76, 62.904, 120.308**, and if you desaturate by 10%, it is **78, 43.046, 121.153**.

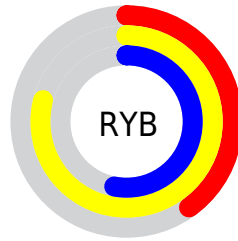
Distribution



Red (66%)

Green (79%)

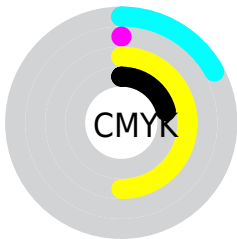
Blue (40%)



Red (40%)

Yellow (79%)

Blue (53%)

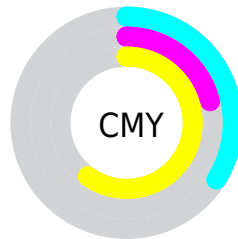


Cyan (17%)

Magenta (0%)

Yellow (50%)

Black (21%)



Cyan (34%)


Magenta (21%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 53.306, 120.672 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, 53.306, 120.672 by changing the saturation by 10% instead.


 77, 53.306,
120.672

 77, 53.306,
120.672


 100, 53.306,
120.672


 67, 53.306,
120.672


 97, 53.306,
120.672

 57, 53.306,
120.672

 47, 53.306,
120.672

 37, 53.306,
120.672

 27, 53.306,
120.672

 17, 53.306,
120.672

 7, 53.306, 120.672

0, 53.306, 120.672

77, 53.306,
120.672

77, 53.306,
120.672

76, 62.904,
120.308

78, 43.046,
121.153

76, 71.465,
120.138

79, 32.378,
121.689

75, 78.521,
120.273

79, 21.482,
122.245

75, 83.610,
120.826

80, 10.476,
122.798

74, 86.758,
121.801

81, 0.559, 303.210

74, 86.900,
121.850

82, 11.565,
303.821

■ 84, 22.502,
304.294

■ 85, 28.945,
306.473

■ 85, 29.579,
310.897

Harmonies

Complementary

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



77, 53.306, 120.672



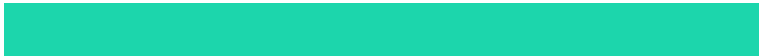
51, 59.047, 306.722

Rectangle

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



77, 53.306, 120.672



77, 53.306, 170.672



77, 53.306, 300.672



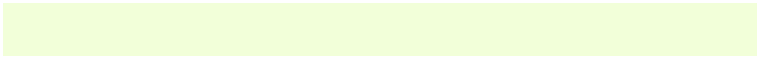
77, 53.306, 350.672

Sweetspot

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



77, 53.307, 120.674



98, 19.976, 122.484



62, 35.697, 52.361



52, 13.625, 122.365



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, 53.307, 120.674



94, 75.301, 120.299



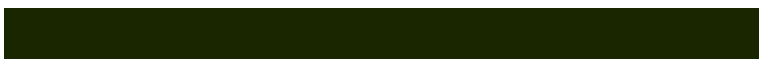
74, 61.140, 136.772



43, 6.304, 122.804



62, 74.905, 121.633



13, 23.251, 123.799

Inverse Universe

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



51, 59.047, 306.722



56, 85.689, 307.563



56, 62.021, 321.934



40, 6.416, 303.811



22, 93.300, 308.964



2, 23.978, 301.295

Previews

White Background



This preview shows how the CIELCh color 77, 53.306, 120.672 looks on a white background.

Color Contrast Check

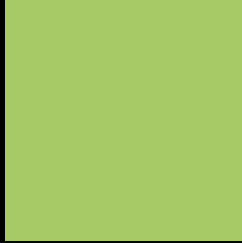
Large Text (above 18pt) WCAG AA × Fail

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, 53.306, 120.672 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, 53.306, 120.672

Background



This preview shows how black text looks on a background with the CIELCh color 77, 53.306, 120.672.



This preview shows how white text looks on a background with the CIELCh color 77, 53.306, 120.672.

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, 8.719, 267.104

Trichromacy



Original Color
77, 53.306, 120.672

Protanomaly
77, 49.135, 105.558

Deuteranomaly
77, 44.796, 95.519

Tritanomaly
77, 16.183, 135.254

Monochromacy



Original Color
77, 53.306, 120.672

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 19.873, 122.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 53.306, 120.672 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(168, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(168, 202, 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(168, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 202, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 53.306, 120.672 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(168, 202, 102) }
```

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

```
.border{ border-color:rgb(168, 202, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(168, 202,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 53.306, 120.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 202, 102) }
```

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

```
.background{ background-color: rgb(168,  
202, 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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