

Converting Colors

CIELCh(77, 58.559, 126.487)

Have a look what the booklet for
CIELCh(77, 58.559, 126.487)
contains.

CIELCh(77, 58.271, 126.362)	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, 58.271, 126.362)

Conversions

Conversions Part 1

Format	Color
Hex	99CD63
RGB	153, 205, 99
RGB Percent	60%, 80%, 39%
CMY	0.3987, 0.1948, 0.6106
CMYK	0.25, 0.00, 0.52, 0.19
HSL	89°, 52%, 60%
HSV	89°, 52%, 81%
XYZ	37.3757, 51.5317, 19.8581
YIQ	177.3680, 3.0340, -43.9900

Conversions

Conversions Part 2

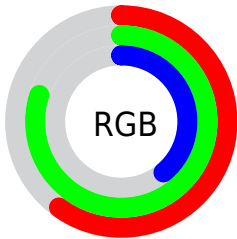
Format	Color
RYB	99, 205, 151
Decimal	10079587
CIELab	77.00, -34.55, 46.92
CIElCh	77, 58.271, 126.362
Yxy	51.5317, 0.3436, 0.4738
Android (android.graphics.Color)	4288269667 (0xFF99CD63)
YUV	177.3680, -38.6354, -21.3707
Hunter-Lab	71.7856, -32.6875, 33.8485

Details

The CIELCh color **77, 58.271, 126.362** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 63.033, 311.398**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 54.401, 125.208**, and **57, 58.152, 126.146** is the 20% darker color. If you saturate the color by 10%, you get **76, 68.278, 126.063**, and if you desaturate by 10%, it is **78, 47.533, 126.783**.

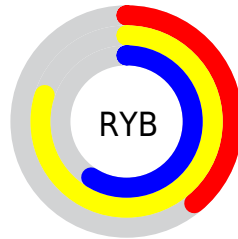
Distribution



Red (60%)

Green (80%)

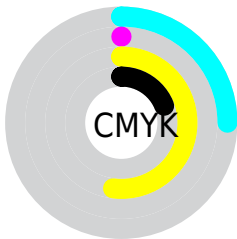
Blue (39%)



Red (39%)

Yellow (80%)

Blue (59%)

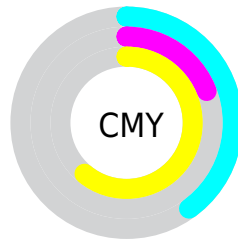


Cyan (25%)

Magenta (0%)

Yellow (52%)

Black (19%)



Cyan (40%)

Magenta (19%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 58.271, 126.362 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, 58.271, 126.362 by changing the saturation by 10% instead.

 77, 58.271,
126.362

 77, 58.271,
126.362


 100, 58.271,
126.362


 67, 58.271,
126.362


 97, 58.271,
126.362

 57, 58.271,
126.362

 47, 58.271,
126.362

 37, 58.271,
126.362

 27, 58.271,
126.362

 17, 58.271,
126.362

 7, 58.271, 126.362

0, 58.271, 126.362

77, 58.271,
126.362

77, 58.271,
126.362

76, 68.278,
126.063

78, 47.533,
126.783

76, 77.148,
125.980

79, 36.352,
127.258

75, 84.393,
126.236

80, 24.929,
127.747

74, 89.572,
126.950

81, 13.403,
128.226

74, 92.478,
127.845

82, 1.872, 128.729

84, 9.597, 309.071

85, 20.955,

309.458

■ 86, 27.954,
312.511

■ 87, 29.294,
319.006

Harmonies

Complementary

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



77, 58.271, 126.362



52, 63.033, 311.398

Rectangle

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



77, 58.271, 126.362



77, 58.271, 176.362



77, 58.271, 306.362



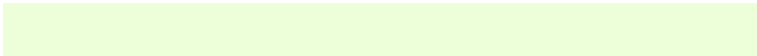
77, 58.271, 356.362

Sweetspot

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



77, 58.272, 126.363



98, 20.609, 128.057



66, 37.869, 67.302



52, 14.061, 127.955



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, 58.272, 126.363



92, 81.662, 126.041



75, 67.218, 139.863



42, 6.497, 128.331



61, 78.677, 127.594



13, 24.452, 130.098

Inverse Universe

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



52, 63.033, 311.398



57, 90.022, 311.926



58, 66.915, 326.602



40, 6.587, 309.150



25, 90.492, 311.776



3, 24.498, 306.292

Previews

White Background



This preview shows how the CIELCh color 77, 58.271, 126.362 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, 58.271, 126.362 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, 58.271, 126.362

Background



This preview shows how black text looks on a background with the CIELCh color 77, 58.271, 126.362.

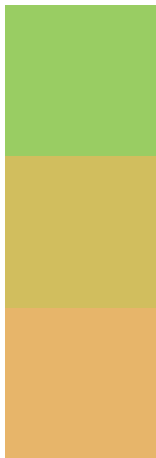


This preview shows how white text looks on a background with the CIELCh color 77, 58.271, 126.362.

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

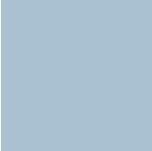
77, 58.271, 126.362

Protanopia

77, 50.493, 96.083

Deuteranopia

77, 45.770, 78.060



Tritanopia
77, 11.738, 246.279

Trichromacy



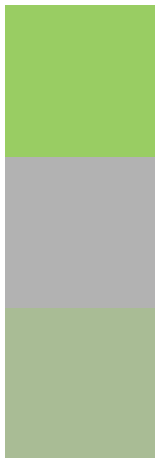
Original Color
77, 58.271, 126.362

Protanomaly
77, 51.523, 108.677

Deuteranomaly
76, 45.299, 98.859

Tritanomaly
76, 19.748, 148.568

Monochromacy



Original Color
77, 58.271, 126.362

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 22.232, 127.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 58.271, 126.362 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(153, 205, 99)` looks like.

```
.text, #text, p{  
    color:rgb(153, 205, 99)  
}
```

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(153, 205, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 205, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 58.271, 126.362 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(153, 205, 99) }
```

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

```
.border{ border-color:rgb(153, 205, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 205, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 205, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 205, 99);  
box-shadow:4px 4px 4px 4px rgb(153, 205,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 58.271, 126.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 205, 99) }
```

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

```
.background{ background-color: rgb(153,  
205, 99) }
```

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