

Converting Colors

CIELCh(77, 59.317, 127.529)

Have a look what the booklet for
CIELCh(77, 59.317, 127.529)
contains.

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Color

CIELCh(77, 59.277, 127.510)

Conversions

Conversions Part 1

Format	Color
Hex	96CE63
RGB	150, 206, 99
RGB Percent	59%, 81%, 39%
CMY	0.4117, 0.1921, 0.6117
CMYK	0.27, 0.00, 0.52, 0.19
HSL	91°, 52%, 60%
HSV	91°, 52%, 81%
XYZ	36.9045, 51.5317, 19.8075
YIQ	177.0580, 0.9710, -45.1490

Conversions

Conversions Part 2

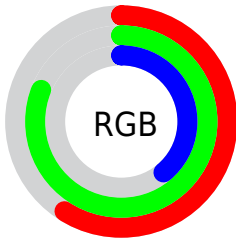
Format	Color
RYB	99, 206, 155
Decimal	9883235
CIELab	77.00, -36.09, 47.02
CIElCh	77, 59.277, 127.510
Yxy	51.5317, 0.3409, 0.4761
Android (android.graphics.Color)	4288073315 (0xFF96CE63)
YUV	177.0580, -38.4826, -23.7299
Hunter-Lab	71.7856, -33.8591, 33.8903

Details

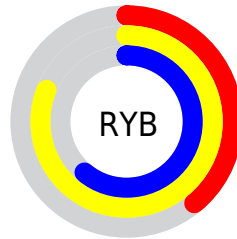
The CIELCh color **77, 59.277, 127.510** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 63.723, 312.416**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 54.801, 126.281**, and **57, 59.176, 127.307** is the 20% darker color. If you saturate the color by 10%, you get **76, 69.389, 127.205**, and if you desaturate by 10%, it is **78, 48.419, 127.935**.

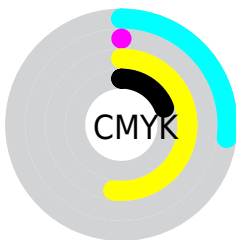
Distribution



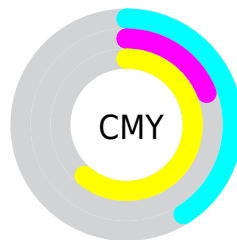
- Red (59%)
- Green (81%)
- Blue (39%)



- Red (39%)
- Yellow (81%)
- Blue (61%)



- Cyan (27%)
- Magenta (0%)
- Yellow (52%)
- Black (19%)





- Cyan (41%)
- Magenta (19%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 59.277, 127.510 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, 59.277, 127.510 by changing the saturation by 10% instead.


 77, 59.277,
127.510


 77, 59.277,
127.510


 100, 59.277,
127.510


 67, 59.277,
127.510


 97, 59.277,
127.510

 57, 59.277,
127.510

 47, 59.277,
127.510

 37, 59.277,
127.510

 27, 59.277,
127.510

 17, 59.277,
127.510

 7, 59.277, 127.510

0, 59.277, 127.510

77, 59.277,
127.510

77, 59.277,
127.510

76, 69.389,
127.205

78, 48.419,
127.935

75, 78.343,
127.115

79, 37.108,
128.410

75, 85.643,
127.364

80, 25.554,
128.895

74, 90.852,
128.072

81, 13.899,
129.368

74, 93.695,
128.916

83, 2.245, 129.857

84, 9.338, 310.192

85, 20.798,

310.567

■ 87, 27.812,
313.894

■ 88, 29.344,
320.806

Harmonies

Complementary

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



77, 59.277, 127.510



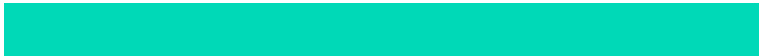
52, 63.723, 312.416

Rectangle

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



77, 59.277, 127.510



77, 59.277, 177.510



77, 59.277, 307.510



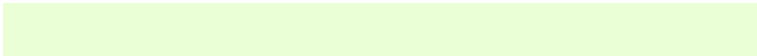
77, 59.277, 357.510

Sweetspot

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



77, 59.278, 127.511



98, 22.158, 129.169



67, 38.553, 70.555



52, 14.962, 129.070



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, 59.278, 127.511



92, 82.425, 127.188



75, 67.345, 140.563



42, 6.546, 129.486



61, 79.506, 128.664



13, 24.735, 131.289

Inverse Universe

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



52, 63.723, 312.416



57, 90.044, 312.871



58, 66.892, 327.610



40, 6.632, 310.280



26, 89.859, 312.534



3, 24.659, 307.528

Previews

White Background



This preview shows how the CIELCh color 77, 59.277, 127.510 looks on a white background.

Color Contrast Check

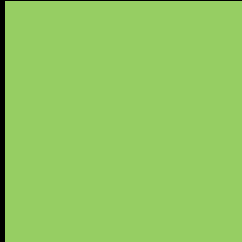
Large Text (above 18pt) WCAG AA × Fail

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, 59.277, 127.510 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, 59.277, 127.510

Background



This preview shows how black text looks on a background with the CIELCh color 77, 59.277, 127.510.



This preview shows how white text looks on a background with the CIELCh color 77, 59.277, 127.510.

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](#).

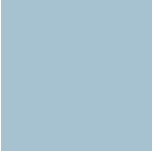
Dichromacy



Original Color
77, 59.277, 127.510

Protanopia
77, 50.493, 96.083

Deuteranopia
77, 45.770, 78.060



Tritanopia
77, 12.330, 239.866

Trichromacy



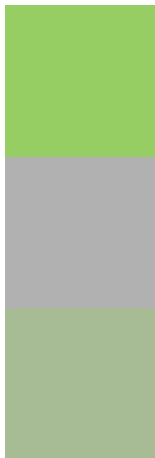
Original Color
77, 59.277, 127.510

Protanomaly
77, 51.550, 109.144

Deuteranomaly
76, 45.729, 99.413

Tritanomaly
77, 21.108, 150.494

Monochromacy



Original Color
77, 59.277, 127.510

Achromatopsia
72, 0.009, 296.813

Achromatomaly
74, 22.517, 129.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 59.277, 127.510 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(150, 206, 99)` looks like.

```
.text, #text, p{  
    color:rgb(150, 206, 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(150, 206, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 206, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 59.277, 127.510 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(150, 206, 99) }
```

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

```
.border{ border-color:rgb(150, 206, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 206, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 206, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 206, 99);  
box-shadow:4px 4px 4px 4px rgb(150, 206,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 59.277, 127.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 206, 99) }
```

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

```
.background{ background-color: rgb(150,  
206, 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](#).

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