

Converting Colors

CIELCh(80, 53.540, 129.442)

Have a look what the booklet for
CIELCh(80, 53.540, 129.442)
contains.

CIELCh(80, 53.559, 129.712)	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(80, 53.559, 129.712)

Conversions

Conversions Part 1

Format	Color
Hex	9FD677
RGB	159, 214, 119
RGB Percent	62%, 84%, 47%
CMY	0.3772, 0.1615, 0.5340
CMYK	0.26, 0.00, 0.44, 0.16
HSL	95°, 54%, 65%
HSV	95°, 44%, 84%
XYZ	41.5828, 56.6813, 26.1489
YIQ	186.7250, -2.2850, -41.2050

Conversions

Conversions Part 2

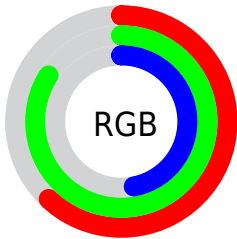
Format	Color
RYB	119, 214, 174
Decimal	10475127
CIELab	80.00, -34.22, 41.20
CIElCh	80, 53.559, 129.712
Yxy	56.6813, 0.3342, 0.4556
Android (android.graphics.Color)	4288665207 (0xFF9FD677)
YUV	186.7250, -33.3884, -24.3148
Hunter-Lab	75.2870, -33.1625, 32.1081

Details

The CIELCh color **80, 53.559, 129.712** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **59, 56.411, 313.806**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 44.004, 127.115**, and **60, 53.601, 129.690** is the 20% darker color. If you saturate the color by 10%, you get **79, 64.780, 129.286**, and if you desaturate by 10%, it is **81, 41.801, 130.196**.

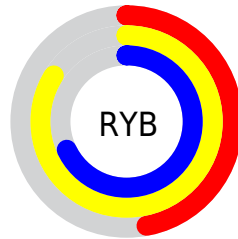
Distribution



Red (62%)

Green (84%)

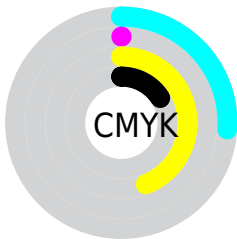
Blue (47%)



Red (47%)

Yellow (84%)

Blue (68%)

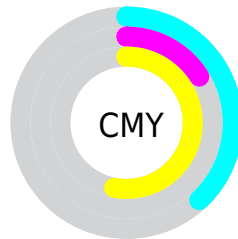


Cyan (26%)

Magenta (0%)

Yellow (44%)

Black (16%)



Cyan (38%)


Magenta (16%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 53.559, 129.712 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 80, 53.559, 129.712 by changing the saturation by 10% instead.


 80, 53.559,
129.712


 80, 53.559,
129.712


 100, 53.559,
129.712


 70, 53.559,
129.712

 60, 53.559,
129.712

 50, 53.559,
129.712

 40, 53.559,
129.712

 30, 53.559,
129.712

 20, 53.559,
129.712

 10, 53.559,

129.712

■ 0, 53.559, 129.712

■ 80, 53.559,
129.712

■ 80, 53.559,
129.712

■ 79, 64.780,
129.286

■ 81, 41.801,
130.196

■ 78, 75.116,
128.989

■ 82, 29.743,
130.688

■ 78, 84.109,
128.928

■ 84, 17.558,
131.165

■ 77, 91.234,
129.234

■ 85, 5.364, 131.626

■ 76, 96.093,
130.010

■ 86, 6.754, 311.978

■ 88, 18.735,
312.354

■ 76, 98.041,
130.568

■ 89, 24.172,
318.575

■ 90, 25.801,
325.323

Harmonies

Complementary

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



80, 53.559, 129.712



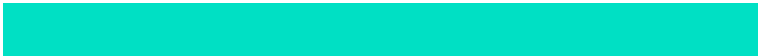
59, 56.411, 313.806

Rectangle

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



80, 53.559, 129.712



80, 53.559, 179.712



80, 53.559, 309.712



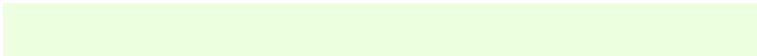
80, 53.559, 359.712

Sweetspot

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



80, 53.560, 129.713



98, 18.250, 131.225



73, 34.254, 76.394



52, 12.776, 131.121



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 53.560, 129.713



93, 72.880, 129.320



78, 58.129, 142.707



44, 6.909, 131.395



62, 82.729, 130.328



15, 28.471, 131.617

Inverse Universe

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



59, 56.411, 313.806



64, 77.612, 314.194



63, 57.925, 328.780



42, 6.989, 312.165



28, 90.833, 313.907



3, 29.577, 311.666

Previews

White Background



This preview shows how the CIELCh color 80, 53.559, 129.712 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 80, 53.559, 129.712 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 80, 53.559, 129.712

Background



This preview shows how black text looks on a background with the CIELCh color 80, 53.559, 129.712.



This preview shows how white text looks on a background with the CIELCh color 80, 53.559, 129.712.

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](#).

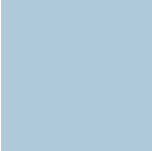
Dichromacy



Original Color
80, 53.559, 129.712

Protanopia
80, 44.988, 95.810

Deuteranopia
80, 40.140, 75.897



Tritanopia
80, 12.585, 241.761

Trichromacy



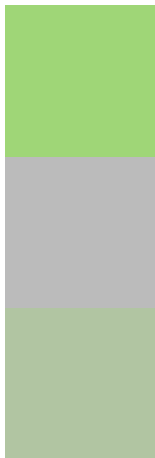
Original Color
80, 53.559, 129.712

Protanomaly
80, 46.082, 110.140

Deuteranomaly
79, 39.500, 99.894

Tritanomaly
80, 18.980, 155.757

Monochromacy



Original Color
80, 53.559, 129.712

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 20.202, 130.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 53.559, 129.712 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(159, 214, 119)` looks like.

```
.text, #text, p{  
    color:rgb(159, 214, 119)  
}
```

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(159, 214, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 214, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 53.559, 129.712 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(159, 214, 119) }
```

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

```
.border{ border-color:rgb(159, 214, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 214, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 214, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 214, 119);  
box-shadow:4px 4px 4px 4px rgb(159, 214,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 53.559, 129.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 214, 119) }
```

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

```
.background{ background-color: rgb(159,  
214, 119) }
```

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