

Converting Colors

CIELCh(76, 49.789, 159.991)

Have a look what the booklet for
CIELCh(76, 49.789, 159.991)
contains.

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Color

CIELCh(76, 49.960, 159.773)

Conversions

Conversions Part 1

Format	Color
Hex	57D19A
RGB	87, 209, 154
RGB Percent	34%, 82%, 60%
CMY	0.6593, 0.1809, 0.3965
CMYK	0.58, 0.00, 0.26, 0.18
HSL	153°, 57%, 58%
HSV	153°, 58%, 82%
XYZ	32.5098, 49.8872, 38.4357
YIQ	166.2520, -55.0570, -42.9690

Conversions

Conversions Part 2

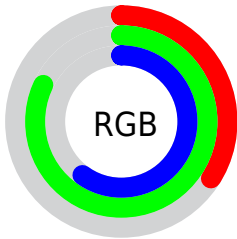
Format	Color
RYB	87, 166, 209
Decimal	5755290
CIELab	76.00, -46.88, 17.27
CIELCh	76, 49.960, 159.773
Yxy	49.8872, 0.2690, 0.4129
Android (android.graphics.Color)	4283945370 (0xFF57D19A)
YUV	166.2520, -6.0402, -69.5040
Hunter-Lab	70.6309, -41.4447, 17.1774

Details

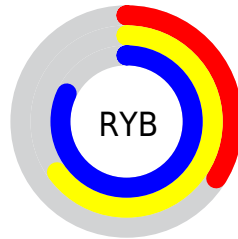
The CIELCh color **76, 49.960, 159.773** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 53.978, 353.660**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 43.394, 163.578**, and **56, 50.066, 159.779** is the 20% darker color. If you saturate the color by 10%, you get **75, 56.789, 158.110**, and if you desaturate by 10%, it is **77, 42.398, 161.244**.

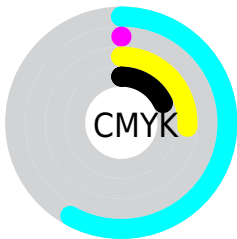
Distribution



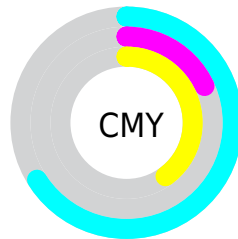
- Red (34%)
- Green (82%)
- Blue (60%)



- Red (34%)
- Yellow (65%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 49.960, 159.773 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 76, 49.960, 159.773 by changing the saturation by 10% instead.


 76, 49.960,
159.773

 76, 49.960,
159.773


 100, 49.960,
159.773


 66, 49.960,
159.773


 96, 49.960,
159.773

 56, 49.960,
159.773

 46, 49.960,
159.773

 36, 49.960,
159.773

 26, 49.960,
159.773

 16, 49.960,
159.773

 6, 49.960, 159.773

■ 0, 49.960, 159.773

■ 76, 49.960,
159.773

■ 76, 49.960,
159.773

■ 75, 56.789,
158.110

■ 77, 42.398,
161.244

■ 75, 62.790,
156.238

■ 78, 34.235,
162.548

■ 74, 67.935,
154.153

■ 79, 25.626,
163.711

■ 74, 72.317,
151.902

■ 81, 16.720,
164.758

■ 74, 72.985,
151.554

■ 82, 7.656, 165.726

■ 84, 1.451, 346.222

■ 86, 10.506,

347.266

■ 88, 19.439,
348.011

■ 88, 22.593,
337.951

Harmonies

Complementary

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



76, 49.960, 159.773



54, 53.978, 353.660

Rectangle

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



76, 49.960, 159.773



76, 49.960, 209.773



76, 49.960, 339.773



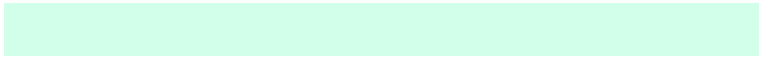
76, 49.960, 29.773

Sweetspot

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



76, 49.961, 159.772



96, 19.220, 164.778



77, 66.857, 127.634



51, 13.336, 164.481



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 49.961, 159.772



90, 67.770, 157.681



76, 33.815, 200.764



43, 5.168, 165.631



61, 61.685, 151.935



13, 21.333, 157.350

Inverse Universe

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



54, 53.978, 353.660



61, 72.916, 356.458



54, 52.958, 28.937



41, 5.249, 347.165



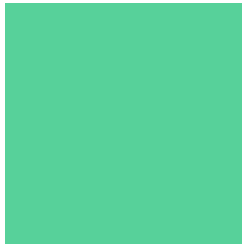
36, 61.845, 6.374



5, 21.364, 357.063

Previews

White Background



This preview shows how the CIELCh color 76, 49.960, 159.773 looks on a white background.

Color Contrast Check

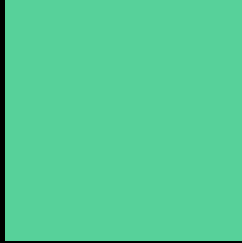
Large Text (above 18pt) WCAG AA × Fail

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 76, 49.960, 159.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

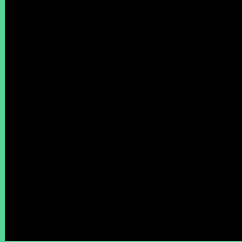
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 49.960, 159.773

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.960, 159.773.

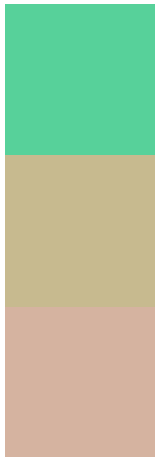


This preview shows how white text looks on a background with the CIELCh color 76, 49.960, 159.773.

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

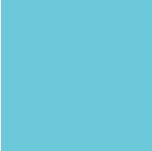
76, 49.960, 159.773

Protanopia

76, 23.598, 95.045

Deuteranopia

75, 17.082, 56.654



Tritanopia
76, 28.800, 215.100

Trichromacy



Original Color
76, 49.960, 159.773



Protanomaly
75, 28.787, 136.604



Deuteranomaly
75, 19.376, 135.576



Tritanomaly
76, 32.858, 187.480

Monochromacy



Original Color
76, 49.960, 159.773



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 19.906, 164.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.960, 159.773 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(87, 209, 154)` looks like.

```
.text, #text, p{  
    color:rgb(87, 209, 154)  
}
```

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(87, 209, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 209, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.960, 159.773 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(87, 209, 154) }
```

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

```
.border{ border-color:rgb(87, 209, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 209, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 209, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 209, 154);  
box-shadow:4px 4px 4px 4px rgb(87, 209,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.960, 159.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 209, 154) }
```

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

```
.background{ background-color: rgb(87, 209,  
154) }
```

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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