

Converting Colors

CIELCh(77, 58.894, 151.673)

Have a look what the booklet for
CIELCh(77, 58.894, 151.673)
contains.

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Color

CIELCh(77, 58.894, 151.673)

Conversions

Conversions Part 1

Format	Color
Hex	58D588
RGB	88, 213, 136
RGB Percent	35%, 84%, 53%
CMY	0.6542, 0.1641, 0.4661
CMYK	0.59, 0.00, 0.36, 0.16
HSL	143°, 60%, 59%
HSV	143°, 59%, 84%
XYZ	32.3281, 51.5317, 31.5885
YIQ	166.8470, -49.7830, -50.4470

Conversions

Conversions Part 2

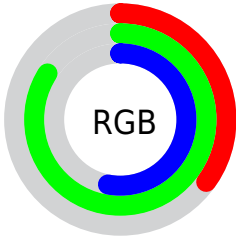
Format	Color
RYB	88, 178, 213
Decimal	5821832
CIELab	77.00, -51.84, 27.95
CIELCh	77, 58.894, 151.673
Yxy	51.5317, 0.2800, 0.4464
Android (android.graphics.Color)	4284011912 (0xFF58D588)
YUV	166.8470, -15.2076, -69.1488
Hunter-Lab	71.7856, -45.2386, 24.1600

Details

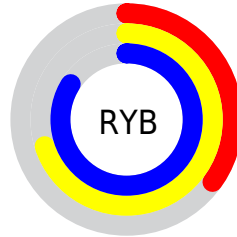
The CIELCh color **77, 58.894, 151.673** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **56, 59.882, 343.436**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.727, 154.284**, and **57, 58.908, 151.604** is the 20% darker color. If you saturate the color by 10%, you get **76, 67.241, 150.044**, and if you desaturate by 10%, it is **78, 49.766, 153.104**.

Distribution



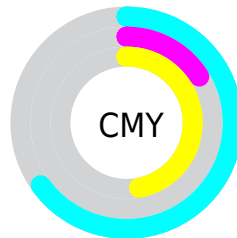
- Red (35%)
- Green (84%)
- Blue (53%)



- Red (35%)
- Yellow (70%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)





- Cyan (65%)
- Magenta (16%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 58.894, 151.673 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, 58.894, 151.673 by changing the saturation by 10% instead.


 77, 58.894,
151.673

 77, 58.894,
151.673


 100, 58.894,
151.673


 67, 58.894,
151.673


 97, 58.894,
151.673

 57, 58.894,
151.673

 47, 58.894,
151.673

 37, 58.894,
151.673

 27, 58.894,
151.673

 17, 58.894,
151.673

 7, 58.894, 151.673

■ 0, 58.894, 151.673

■ 77, 58.894,
151.673

■ 77, 58.894,
151.673

■ 76, 67.241,
150.044

■ 78, 49.766,
153.104

■ 76, 74.662,
148.213

■ 79, 40.031,
154.356

■ 75, 81.076,
146.197

■ 80, 29.878,
155.450

■ 75, 86.523,
144.075

■ 82, 19.486,
156.413

■ 75, 87.221,
143.801

■ 84, 9.010, 157.278

■ 86, 1.424, 337.712

■ 88, 11.719,

338.616

■ 90, 20.848,
336.669

■ 90, 25.947,
325.756

Harmonies

Complementary

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



77, 58.894, 151.673



56, 59.882, 343.436

Rectangle

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



77, 58.894, 151.673



77, 58.894, 201.673



77, 58.894, 331.673



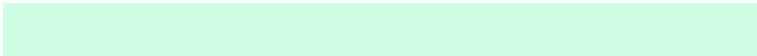
77, 58.894, 21.673

Sweetspot

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



77, 58.895, 151.673



96, 21.767, 156.454



80, 65.512, 122.082



51, 15.124, 156.185



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, 58.895, 151.673



89, 78.836, 149.680



78, 38.156, 184.802



44, 5.946, 157.212



61, 73.379, 144.158



14, 25.826, 149.345

Inverse Universe

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



56, 59.882, 343.436



62, 78.606, 345.216



54, 53.211, 18.721



42, 5.992, 338.548



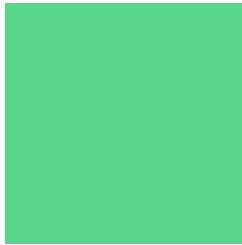
37, 65.289, 351.333



5, 25.033, 346.262

Previews

White Background



This preview shows how the CIELCh color 77, 58.894, 151.673 looks on a white background.

Color Contrast Check

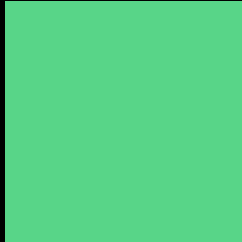
Large Text (above 18pt) WCAG AA × Fail

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, 58.894, 151.673 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, 58.894, 151.673

Background



This preview shows how black text looks on a background with the CIELCh color 77, 58.894, 151.673.

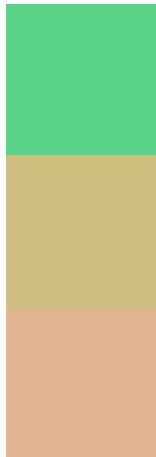


This preview shows how white text looks on a background with the CIELCh color 77, 58.894, 151.673.

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, 58.894, 151.673

Protanopia

77, 34.068, 95.704

Deuteranopia

76, 26.727, 69.006



Tritanopia
77, 27.959, 215.674

Trichromacy



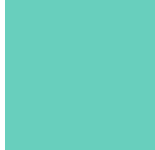
Original Color
77, 58.894, 151.673



Protanomaly
76, 38.504, 127.992



Deuteranomaly
75, 28.783, 123.563

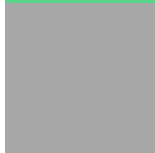


Tritanomaly
77, 34.350, 180.445

Monochromacy



Original Color
77, 58.894, 151.673



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 23.042, 156.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 58.894, 151.673 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(88, 213, 136)` looks like.

```
.text, #text, p{  
    color:rgb(88, 213, 136)  
}
```

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(88, 213, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 213, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 58.894, 151.673 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(88, 213, 136) }
```

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

```
.border{ border-color:rgb(88, 213, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 213, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 213, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 213, 136);  
box-shadow:4px 4px 4px 4px rgb(88, 213,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 58.894, 151.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 213, 136) }
```

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

```
.background{ background-color: rgb(88, 213,  
136) }
```

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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