

Converting Colors

CIELCh(77, 50.967, 166.159)

Have a look what the booklet for
CIELCh(77, 50.967, 166.159)
contains.

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Color

CIELCh(77, 50.951, 166.185)

Conversions

Conversions Part 1

Format	Color
Hex	43D5A6
RGB	67, 213, 166
RGB Percent	26%, 84%, 65%
CMY	0.7373, 0.1647, 0.3490
CMYK	0.69, 0.00, 0.22, 0.16
HSL	161°, 63%, 55%
HSV	161°, 69%, 84%
XYZ	32.9897, 51.5317, 44.2817
YIQ	163.9880, -71.9290, -45.5690

Conversions

Conversions Part 2

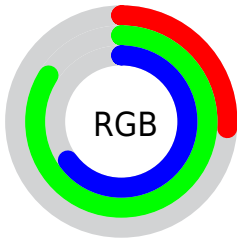
Format	Color
RYB	67, 154, 213
Decimal	4445606
CIELab	77.00, -49.48, 12.17
CIELCh	77, 50.951, 166.185
Yxy	51.5317, 0.2561, 0.4001
Android (android.graphics.Color)	4282635686 (0xFF43D5A6)
YUV	163.9880, 0.9919, -85.0585
Hunter-Lab	71.7856, -43.5937, 13.6763

Details

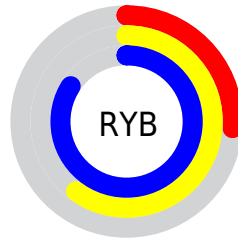
The CIELCh color **77, 50.951, 166.185** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **51, 60.563, 5.752**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.800, 172.427**, and **57, 47.360, 164.284** is the 20% darker color. If you saturate the color by 10%, you get **76, 55.843, 164.397**, and if you desaturate by 10%, it is **78, 45.204, 167.780**.

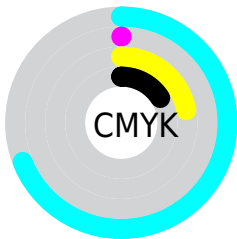
Distribution



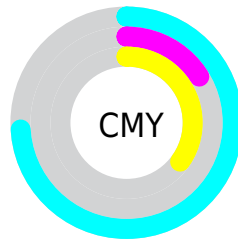
- Red (26%)
- Green (84%)
- Blue (65%)



- Red (26%)
- Yellow (60%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)





- Cyan (74%)
- Magenta (16%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 50.951, 166.185 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, 50.951, 166.185 by changing the saturation by 10% instead.


 77, 50.951,
166.185

 77, 50.951,
166.185


 100, 50.951,
166.185


 67, 50.951,
166.185


 97, 50.951,
166.185

 57, 50.951,
166.185

 47, 50.951,
166.185

 37, 50.951,
166.185

 27, 50.951,
166.185

 17, 50.951,
166.185

 7, 50.951, 166.185

■ 0, 50.951, 166.185

■ 77, 50.951,
166.185

■ 77, 50.951,
166.185

■ 76, 55.843,
164.397

■ 78, 45.204,
167.780

■ 76, 59.875,
162.405

■ 79, 38.673,
169.207

■ 76, 63.166,
160.240

■ 80, 31.473,
170.491

■ 76, 63.624,
159.929

■ 81, 23.743,
171.656

■ 82, 15.626,
172.728

■ 84, 7.256, 173.742

■ 86, 1.248, 354.190

■ 87, 9.789, 355.388

■ 89, 17.061,
354.170

Harmonies

Complementary

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



77, 50.951, 166.185



51, 60.563, 5.752

Rectangle

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



77, 50.951, 166.185



77, 50.951, 216.185



77, 50.951, 346.185



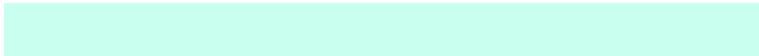
77, 50.951, 36.185

Sweetspot

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



77, 50.951, 166.184



96, 20.417, 172.449



77, 80.810, 131.499



51, 13.771, 172.153



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, 50.951, 166.184



90, 66.069, 163.566



71, 33.874, 220.595



44, 4.840, 173.653



62, 53.658, 160.297



15, 19.546, 165.044

Inverse Universe

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



51, 60.563, 5.752



56, 79.305, 11.040



54, 59.693, 39.005



42, 4.963, 355.290



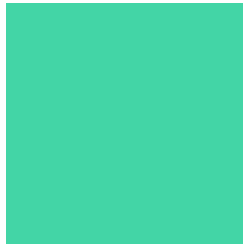
36, 64.213, 18.746



5, 22.353, 5.093

Previews

White Background



This preview shows how the CIELCh color 77, 50.951, 166.185 looks on a white background.

Color Contrast Check

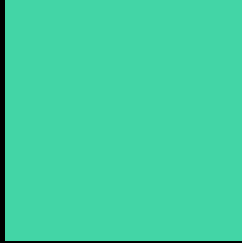
Large Text (above 18pt) WCAG AA × Fail

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, 50.951, 166.185 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, 50.951, 166.185

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.951, 166.185.

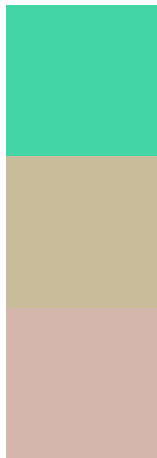


This preview shows how white text looks on a background with the CIELCh color 77, 50.951, 166.185.

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

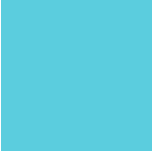
77, 50.951, 166.185

Protanopia

76, 18.796, 93.705

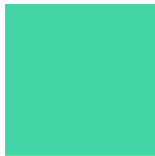
Deuteranopia

76, 13.025, 41.871



Tritanopia
77, 32.791, 213.622

Trichromacy



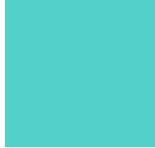
Original Color
77, 50.951, 166.185



Protanomaly
75, 26.993, 146.740



Deuteranomaly
75, 17.525, 153.167

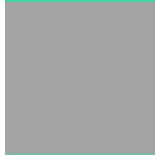


Tritanomaly
77, 36.598, 191.678

Monochromacy



Original Color
77, 50.951, 166.185



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 21.287, 171.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.951, 166.185 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(67, 213, 166)` looks like.

```
.text, #text, p{  
    color:rgb(67, 213, 166)  
}
```

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(67, 213, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 213, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.951, 166.185 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(67, 213, 166) }
```

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

```
.border{ border-color:rgb(67, 213, 166) }
```

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

Here you see how a box with a 4 pixel rgb(67, 213, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 213, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 213, 166);  
box-shadow:4px 4px 4px 4px rgb(67, 213,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.951, 166.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 213, 166) }
```

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

```
.background{ background-color: rgb(67, 213,  
166) }
```

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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