

Converting Colors

CIELCh(77, 43.378, 175.098)

Have a look what the booklet for
CIELCh(77, 43.378, 175.098)
contains.

CIELCh(77, 43.355, 175.163)	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(77, 43.355, 175.163)

Conversions

Conversions Part 1

Format	Color
Hex	4DD3B6
RGB	77, 211, 182
RGB Percent	30%, 83%, 71%
CMY	0.6981, 0.1726, 0.2863
CMYK	0.64, 0.00, 0.14, 0.17
HSL	167°, 60%, 56%
HSV	167°, 64%, 83%
XYZ	34.7892, 51.5317, 52.3584
YIQ	167.6280, -70.5550, -37.4270

Conversions

Conversions Part 2

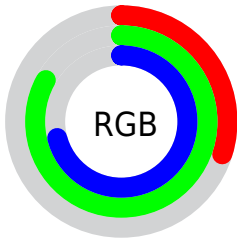
Format	Color
RYB	77, 152, 211
Decimal	5100470
CIELab	77.00, -43.20, 3.66
CIElCh	77, 43.355, 175.163
Yxy	51.5317, 0.2509, 0.3716
Android (android.graphics.Color)	4283290550 (0xFF4DD3B6)
YUV	167.6280, 7.0854, -79.4808
Hunter-Lab	71.7856, -39.1189, 7.0055

Details

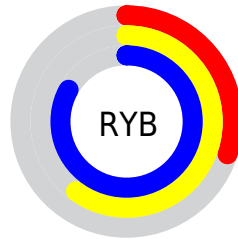
The CIELCh color **77, 43.355, 175.163** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **52, 56.238, 12.483**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.036, 183.299**, and **57, 41.511, 173.903** is the 20% darker color. If you saturate the color by 10%, you get **76, 47.705, 173.696**, and if you desaturate by 10%, it is **78, 38.142, 176.486**.

Distribution



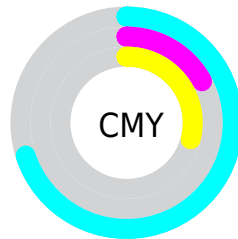
- Red (30%)
- Green (83%)
- Blue (71%)



- Red (30%)
- Yellow (60%)
- Blue (83%)



- Cyan (64%)
- Magenta (0%)
- Yellow (14%)
- Black (17%)




- Cyan (70%)
- Magenta (17%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 43.355, 175.163 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, 43.355, 175.163 by changing the saturation by 10% instead.


 77, 43.355,
175.163


 77, 43.355,
175.163


 100, 43.355,
175.163


 67, 43.355,
175.163


 97, 43.355,
175.163

 57, 43.355,
175.163

 47, 43.355,
175.163

 37, 43.355,
175.163

 27, 43.355,
175.163

 17, 43.355,
175.163

 7, 43.355, 175.163

0, 43.355, 175.163

77, 43.355,
175.163

77, 43.355,
175.163

76, 47.705,
173.696

78, 38.142,
176.486

76, 51.165,
172.066

79, 32.145,
177.692

76, 53.782,
170.258

80, 25.482,
178.804

76, 55.169,
169.029

81, 18.283,
179.841

82, 10.683,
180.828

84, 2.807, 181.881

■ 86, 5.234, 2.465

■ 88, 13.351, 3.362

■ 89, 17.279,
359.464

Harmonies

Complementary

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



77, 43.355, 175.163



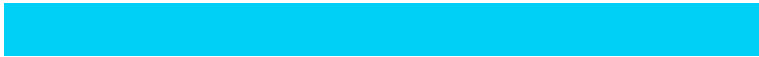
52, 56.238, 12.483

Rectangle

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



77, 43.355, 175.163



77, 43.355, 225.163



77, 43.355, 355.163



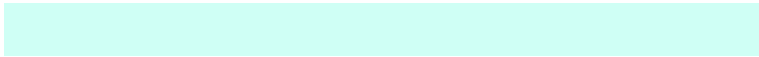
77, 43.355, 45.163

Sweetspot

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



77, 43.355, 175.162



97, 17.364, 180.271



76, 77.898, 134.641



51, 11.889, 179.983



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, 43.355, 175.162



90, 56.471, 173.175



67, 32.304, 238.811



43, 4.476, 181.231



61, 46.422, 169.360



14, 16.837, 173.640

Inverse Universe

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



52, 56.238, 12.483



58, 76.741, 17.242



59, 50.794, 47.421



41, 4.637, 2.826



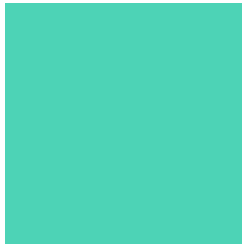
35, 67.130, 27.771



4, 20.249, 9.462

Previews

White Background



This preview shows how the CIELCh color 77, 43.355, 175.163 looks on a white background.

Color Contrast Check

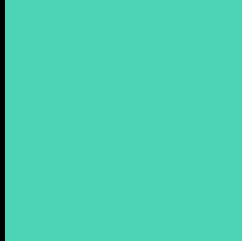
Large Text (above 18pt) WCAG AA × Fail

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, 43.355, 175.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

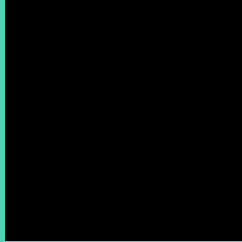
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

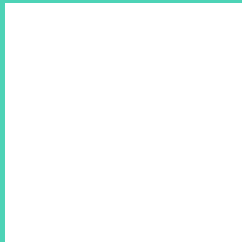
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 43.355, 175.163

Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.355, 175.163.

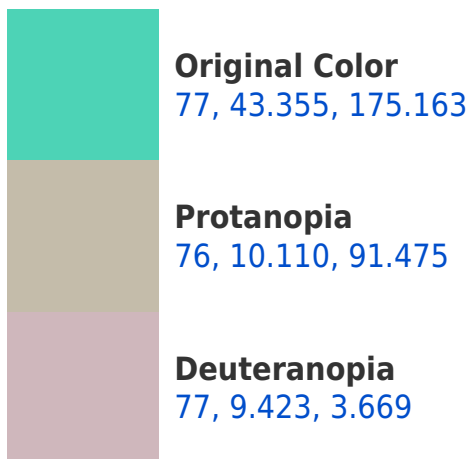


This preview shows how white text looks on a background with the CIELCh color 77, 43.355, 175.163.

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





Tritanopia
77, 32.435, 213.829

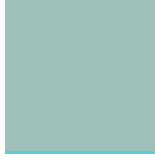
Trichromacy



Original Color
77, 43.355, 175.163



Protanomaly
76, 19.774, 161.120



Deuteranomaly
76, 12.480, 180.817

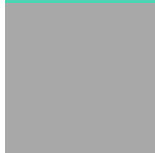


Tritanomaly
77, 34.653, 196.940

Monochromacy



Original Color
77, 43.355, 175.163



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.507, 178.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 43.355, 175.163 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(77, 211, 182)` looks like.

```
.text, #text, p{  
    color:rgb(77, 211, 182)  
}
```

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(77, 211, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 211, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 43.355, 175.163 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(77, 211, 182) }
```

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

```
.border{ border-color:rgb(77, 211, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 211, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 211, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 211, 182); box-shadow:4px 4px 4px 4px rgb(77, 211, 182) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 43.355, 175.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 211, 182) }
```

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

```
.background{ background-color: rgb(77, 211,  
182) }
```

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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