

Converting Colors

CIELCh(77, 17.695, 156.516)

Have a look what the booklet for
CIELCh(77, 17.695, 156.516)
contains.

CIELCh(77, 17.195, 157.235)	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, 17.195, 157.235)

Conversions

Conversions Part 1

Format	Color
Hex	A3C6B1
RGB	163, 198, 177
RGB Percent	64%, 78%, 69%
CMY	0.3596, 0.2223, 0.3047
CMYK	0.18, 0.00, 0.11, 0.22
HSL	144°, 24%, 71%
HSV	144°, 18%, 78%
XYZ	43.3943, 51.5317, 49.4102
YIQ	185.1410, -14.1190, -13.9510

Conversions

Conversions Part 2

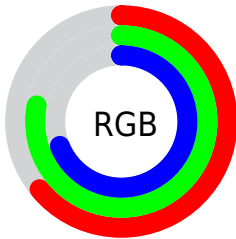
Format	Color
RYB	163, 188, 198
Decimal	10733233
CIELab	77.00, -15.86, 6.65
CIELCh	77, 17.195, 157.235
Yxy	51.5317, 0.3006, 0.3570
Android (android.graphics.Color)	4288923313 (0xFFA3C6B1)
YUV	185.1410, -4.0135, -19.4177
Hunter-Lab	71.7856, -17.7218, 9.4405

Details

The CIELCh color $77, 17.195, 157.235$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $71, 17.427, 339.980$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 17.258, 157.746$, and $57, 17.268, 156.529$ is the 20% darker color. If you saturate the color by 10%, you get $76, 26.884, 156.278$, and if you desaturate by 10%, it is $79, 7.439, 158.099$.

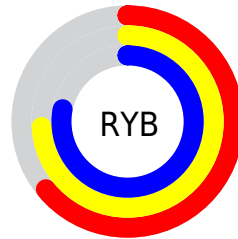
Distribution



Red (64%)

Green (78%)

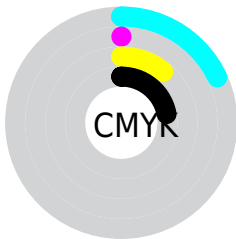
Blue (69%)



Red (64%)

Yellow (74%)

Blue (78%)

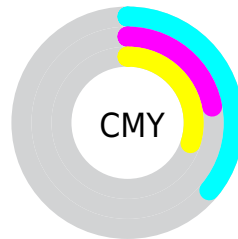


Cyan (18%)

Magenta (0%)

Yellow (11%)

Black (22%)



Cyan (36%)


Magenta (22%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 17.195, 157.235 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, 17.195, 157.235 by changing the saturation by 10% instead.

 77, 17.195,
157.235

 77, 17.195,
157.235


 100, 17.195,
157.235


 67, 17.195,
157.235


 97, 17.195,
157.235

 57, 17.195,
157.235

 47, 17.195,
157.235

 37, 17.195,
157.235

 27, 17.195,
157.235

 17, 17.195,
157.235

 7, 17.195, 157.235

■ 0, 17.195, 157.235

■ 77, 17.195,
157.235

■ 77, 17.195,
157.235

■ 76, 26.884,
156.278

■ 79, 7.439, 158.099

■ 74, 36.359,
155.197

■ 80, 2.276, 338.633

■ 73, 45.461,
153.963

■ 82, 11.859,
339.432

■ 72, 54.018,
152.554

■ 84, 21.248,
340.051

■ 72, 61.866,
150.950

■ 86, 28.487,
336.767

■ 71, 68.873,
149.143

■ 86, 32.967,
328.921

■ 87, 35.557,

■ 71, 74.961,
147.144

325.660

■ 70, 80.152,
145.013

■ 70, 81.293,
144.536

Harmonies

Complementary

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



77, 17.195, 157.235



71, 17.427, 339.980

Rectangle

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



77, 17.195, 157.235



77, 17.195, 207.235



77, 17.195, 337.235



77, 17.195, 27.235

Sweetspot

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



77, 17.197, 157.234



99, 5.949, 158.325



78, 19.322, 124.001



53, 4.061, 158.261



0, 0.000, 0.000



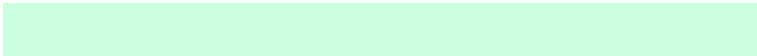
53, 0.007, 296.813

Same Dimension

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



77, 17.197, 157.234



96, 25.081, 156.897



77, 12.605, 188.431



41, 5.528, 157.952



59, 69.829, 144.874



11, 21.576, 152.168

Inverse Universe

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



71, 17.427, 339.980



87, 25.479, 340.294



70, 13.775, 11.394



39, 5.573, 339.294



35, 62.689, 352.572



4, 19.020, 346.786

Previews

White Background



This preview shows how the CIELCh color 77, 17.195, 157.235 looks on a white background.

Color Contrast Check

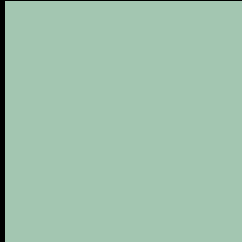
Large Text (above 18pt) WCAG AA × Fail

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, 17.195, 157.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

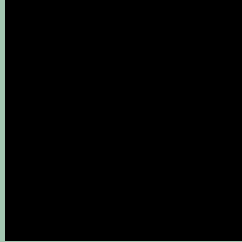
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

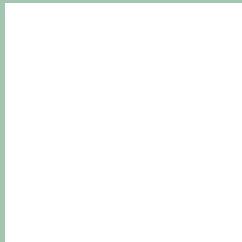
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 17.195, 157.235

Background



This preview shows how black text looks on a background with the CIELCh color 77, 17.195, 157.235.



This preview shows how white text looks on a background with the CIELCh color 77, 17.195, 157.235.

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](#).

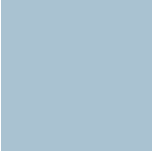
Dichromacy



Original Color
77, 17.195, 157.235

Protanopia
77, 9.590, 90.589

Deuteranopia
77, 10.857, 28.686



Tritanopia
77, 11.605, 243.086

Trichromacy



Original Color
77, 17.195, 157.235

Protanomaly
77, 10.005, 124.641

Deuteranomaly
77, 5.663, 90.135

Tritanomaly
77, 10.228, 201.700

Monochromacy



Original Color
77, 17.195, 157.235

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 6.491, 157.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 17.195, 157.235 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(163, 198, 177)` looks like.

```
.text, #text, p{  
    color:rgb(163, 198, 177)  
}
```

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(163, 198, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 198, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 17.195, 157.235 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(163, 198, 177) }
```

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

```
.border{ border-color:rgb(163, 198, 177) }
```

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

Here you see how a box with a 4 pixel rgb(163, 198, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 198, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 198, 177);  
box-shadow:4px 4px 4px 4px rgb(163, 198,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 17.195, 157.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 198, 177) }
```

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

```
.background{ background-color: rgb(163,  
198, 177) }
```

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