

# Converting Colors

CIELCh(77, 21.772, 161.523)

Have a look what the booklet for  
CIELCh(77, 21.772, 161.523)  
contains.

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# Color

**CIELCh(77, 21.756, 161.525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C9B1
RGB	153, 201, 177
RGB Percent	60%, 79%, 69%
CMY	0.4012, 0.2130, 0.3071
CMYK	0.24, 0.00, 0.12, 0.21
HSL	150°, 31%, 69%
HSV	150°, 24%, 79%
XYZ	41.7983, 51.5317, 49.1785
YIQ	183.9120, -20.9040, -17.6400

# Conversions

## Conversions Part 2

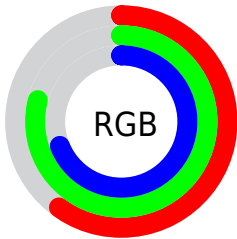
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 185, 201</a>
Decimal	<a href="#">10078641</a>
CIELab	<a href="#">77.00, -20.63, 6.89</a>
CIELCh	<a href="#">77, 21.756, 161.525</a>
Yxy	<a href="#">51.5317, 0.2933, 0.3616</a>
Android (android.graphics.Color)	<a href="#">4288268721 (0xFF99C9B1)</a>
YUV	<a href="#">183.9120, -3.4076, -27.1098</a>
Hunter-Lab	<a href="#">71.7856, -21.6905, 9.6318</a>

# Details

The CIELCh color **77, 21.756, 161.525** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 22.413, 345.782**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.931, 163.765**, and **57, 21.990, 160.815** is the 20% darker color. If you saturate the color by 10%, you get **76, 30.620, 160.440**, and if you desaturate by 10%, it is **78, 12.697, 162.500**.

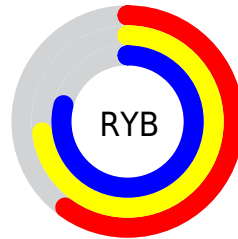
# Distribution



Red (60%)

Green (79%)

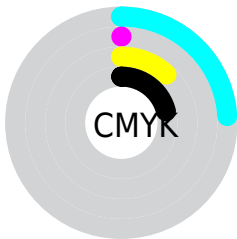
Blue (69%)



Red (60%)

Yellow (73%)

Blue (79%)

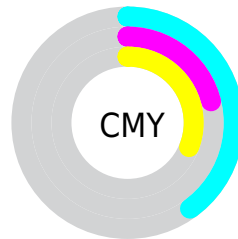


Cyan (24%)

Magenta (0%)

Yellow (12%)

Black (21%)



Cyan (40%)

Magenta (21%)


Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 21.756, 161.525 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, 21.756, 161.525 by changing the saturation by 10% instead.





 77, 21.756,  
161.525


 77, 21.756,  
161.525


 100, 21.756,  
161.525


 67, 21.756,  
161.525


 97, 21.756,  
161.525

 57, 21.756,  
161.525

 47, 21.756,  
161.525

 37, 21.756,  
161.525

 27, 21.756,  
161.525

 17, 21.756,  
161.525

 7, 21.756, 161.525

0, 21.756, 161.525

77, 21.756,  
161.525

77, 21.756,  
161.525

76, 30.620,  
160.440

78, 12.697,  
162.500

75, 39.140,  
159.221

80, 3.564, 163.448

74, 47.163,  
157.842

82, 5.538, 344.047

84, 14.530,  
344.812

73, 54.539,  
156.278

86, 23.354,  
345.485

72, 61.148,  
154.510

87, 27.052,  
337.229

72, 66.918,  
152.530

87, 30.772,

■ 71, 71.853,  
150.352

330.086

■ 71, 74.564,  
149.004

■ 87, 34.063,  
325.609

# Harmonies

# Complementary

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



77, 21.756, 161.525



68, 22.413, 345.782

# Rectangle

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



77, 21.756, 161.525



77, 21.756, 211.525



77, 21.756, 341.525



77, 21.756, 31.525

# Sweetspot

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



77, 21.757, 161.523



99, 7.754, 163.130



78, 27.100, 127.975



52, 5.039, 163.073



0, 0.000, 0.000



53, 0.007, 296.813



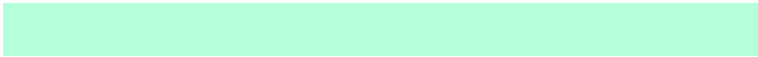


# Same Dimension

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



77, 21.757, 161.523



94, 31.932, 160.943



78, 16.409, 198.209



41, 5.137, 162.919



59, 63.464, 149.379



11, 20.054, 155.913



# Inverse Universe

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



68, 22.413, 345.782



82, 33.108, 346.366



68, 19.237, 21.212



39, 5.202, 344.386



35, 60.736, 1.564



4, 17.857, 352.985



# Previews

## White Background



This preview shows how the CIELCh color 77, 21.756, 161.525 looks on a white background.

## Color Contrast Check

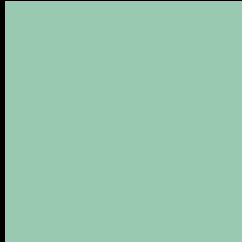
Large Text (above 18pt) WCAG AA × Fail

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, 21.756, 161.525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

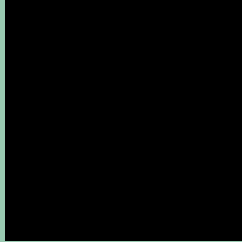
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

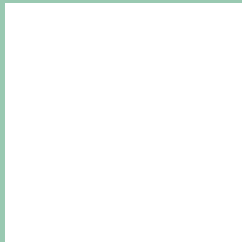
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 77, 21.756, 161.525

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.756, 161.525.



This preview shows how white text looks on a background with the CIELCh color 77, 21.756, 161.525.

# 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

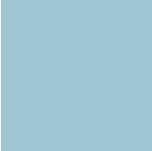


**Original Color**  
77, 21.756, 161.525

**Protanopia**  
77, 10.613, 92.285

**Deuteranopia**  
77, 10.857, 28.686





**Tritanopia**  
77, 14.610, 232.284

# Trichromacy



**Original Color**  
77, 21.756, 161.525

**Protanomaly**  
77, 12.152, 131.074

**Deuteranomaly**  
76, 5.363, 105.633

**Tritanomaly**  
77, 14.168, 200.559

# Monochromacy



**Original Color**  
77, 21.756, 161.525

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 7.976, 161.425

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 21.756, 161.525 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(153, 201, 177)` looks like.

```
.text, #text, p{  
    color:rgb(153, 201, 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(153, 201, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 201, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 21.756, 161.525 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(153, 201, 177) }
```

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

```
.border{ border-color:rgb(153, 201, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 201, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(153, 201,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 21.756, 161.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 201, 177) }
```

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

```
.background{ background-color: rgb(153,  
201, 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](#).

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