

Converting Colors

CIELCh(77, 12.920, 198.501)

Have a look what the booklet for
CIELCh(77, 12.920, 198.501)
contains.

CIELCh(77, 12.912, 198.463)	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, 12.912, 198.463)

Conversions

Conversions Part 1

Format	Color
Hex	A0C5C5
RGB	160, 197, 197
RGB Percent	63%, 77%, 77%
CMY	0.3719, 0.2268, 0.2268
CMYK	0.19, 0.00, 0.00, 0.23
HSL	180°, 24%, 70%
HSV	180°, 19%, 77%
XYZ	44.6258, 51.5317, 60.5124
YIQ	185.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

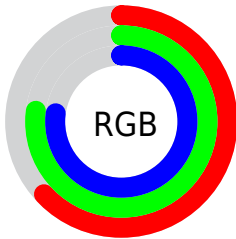
Format	Color
R _{YB}	160, 179, 197
Decimal	10536389
CIE Lab	77.00, -12.25, -4.09
CIE LCh	77, 12.912, 198.463
Yxy	51.5317, 0.2848, 0.3289
Android (android.graphics.Color)	4288726469 (0xFFA0C5C5)
YUV	185.9370, 5.4541, -22.7467
Hunter-Lab	71.7856, -14.6596, 0.2708

Details

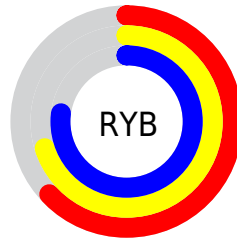
The CIELCh color **77, 12.912, 198.463** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 14.588, 20.702**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.099, 198.629**, and **57, 12.743, 198.212** is the 20% darker color. If you saturate the color by 10%, you get **76, 19.122, 197.980**, and if you desaturate by 10%, it is **78, 6.204, 199.011**.

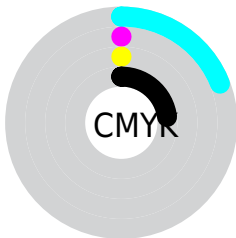
Distribution



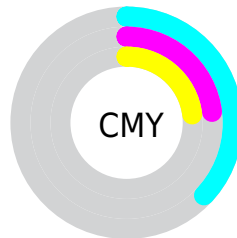
- Red (63%)
- Green (77%)
- Blue (77%)



- Red (63%)
- Yellow (70%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (37%)
- Magenta (23%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 12.912, 198.463 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, 12.912, 198.463 by changing the saturation by 10% instead.

 77, 12.912,
198.463

 77, 12.912,
198.463


 100, 12.912,
198.463

 67, 12.912,
198.463

 97, 12.912,
198.463


 57, 12.912,
198.463

 47, 12.912,
198.463

 37, 12.912,
198.463

 27, 12.912,
198.463

 17, 12.912,
198.463

 7, 12.912, 198.463

0, 12.912, 198.463

77, 12.912,
198.463

77, 12.912,
198.463

76, 19.122,
197.980

78, 6.204, 199.011

75, 24.716,
197.563

80, 0.892, 18.856

74, 29.586,
197.207

81, 8.272, 19.978

73, 33.638,
196.916

85, 22.084, 21.112

73, 36.813,
196.690

85, 22.083, 21.110

73, 39.093,
196.530

85, 22.083, 21.109

85, 22.083, 21.107

■ 72, 40.512,
196.430

■ 85, 22.083, 21.105

■ 72, 41.223,
196.380

■ 72, 41.294,
196.375

Harmonies

Complementary

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



77, 12.912, 198.463



69, 14.588, 20.702

Rectangle

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



77, 12.912, 198.463



77, 12.912, 248.463



77, 12.912, 18.463



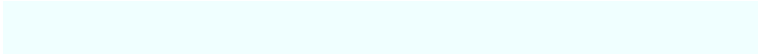
77, 12.912, 68.463

Sweetspot

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



77, 12.913, 198.457



99, 5.264, 199.191



76, 24.201, 142.848



53, 3.486, 199.143



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, 12.913, 198.457



96, 19.208, 198.231



72, 11.629, 256.222



41, 4.034, 198.972



61, 35.890, 196.375



12, 12.984, 196.377

Inverse Universe

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



69, 14.588, 20.702



84, 22.421, 21.146



74, 12.274, 71.315



39, 4.279, 19.917



34, 74.641, 39.773



3, 15.885, 19.401

Previews

White Background



This preview shows how the CIELCh color 77, 12.912, 198.463 looks on a white background.

Color Contrast Check

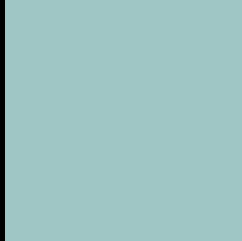
Large Text (above 18pt) WCAG AA × Fail

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, 12.912, 198.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

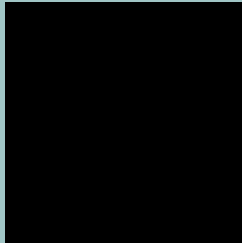
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

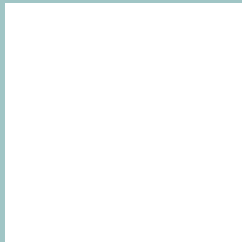
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 12.912, 198.463

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.912, 198.463.



This preview shows how white text looks on a background with the CIELCh color 77, 12.912, 198.463.

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

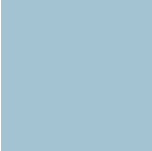
77, 12.912, 198.463

Protanopia

77, 1.972, 324.400

Deuteranopia

77, 11.108, 329.634



Tritanopia
77, 13.619, 238.096

Trichromacy



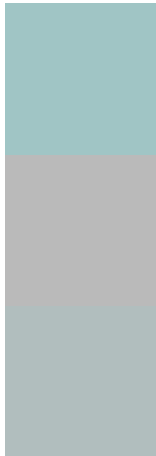
Original Color
77, 12.912, 198.463

Protanomaly
77, 4.447, 213.198

Deuteranomaly
77, 5.415, 283.040

Tritanomaly
77, 12.677, 223.828

Monochromacy



Original Color
77, 12.912, 198.463

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.719, 199.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.912, 198.463 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(160, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 197)  
}
```

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(160, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.912, 198.463 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(160, 197, 197) }
```

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

```
.border{ border-color:rgb(160, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(160, 197,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.912, 198.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 197, 197) }
```

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

```
.background{ background-color: rgb(160,  
197, 197) }
```

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