

Converting Colors

CIELCh(77, 12.244, 198.512)

Have a look what the booklet for
CIELCh(77, 12.244, 198.512)
contains.

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Color

CIELCh(77, 12.252, 198.515)

Conversions

Conversions Part 1

Format	Color
Hex	A2C5C5
RGB	162, 197, 197
RGB Percent	64%, 77%, 77%
CMY	0.3654, 0.2282, 0.2282
CMYK	0.18, 0.00, 0.00, 0.23
HSL	180°, 23%, 70%
HSV	180°, 18%, 77%
XYZ	44.8430, 51.5317, 60.2936
YIQ	186.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

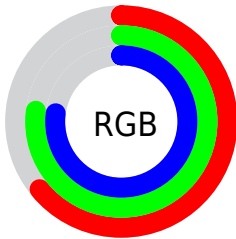
Format	Color
RYB	162, 180, 197
Decimal	10667461
CIELab	77.00, -11.62, -3.89
CIElCh	77, 12.252, 198.515
Yxy	51.5317, 0.2862, 0.3289
Android (android.graphics.Color)	4288857541 (0xFFA2C5C5)
YUV	186.5350, 5.1592, -21.5172
Hunter-Lab	71.7856, -14.1195, 0.4516

Details

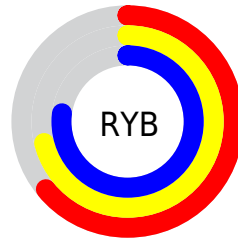
The CIELCh color **77, 12.252, 198.515** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 13.748, 20.614**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 12.456, 198.671**, and **57, 12.071, 198.278** is the 20% darker color. If you saturate the color by 10%, you get **76, 18.508, 198.025**, and if you desaturate by 10%, it is **78, 5.511, 199.075**.

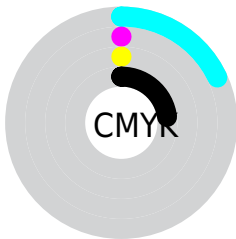
Distribution



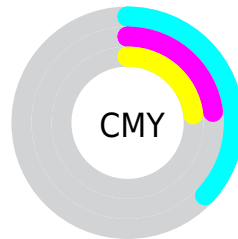
- Red (64%)
- Green (77%)
- Blue (77%)



- Red (64%)
- Yellow (71%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 12.252, 198.515 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, 12.252, 198.515 by changing the saturation by 10% instead.


 77, 12.252,
198.515


 77, 12.252,
198.515


 100, 12.252,
198.515


 67, 12.252,
198.515


 97, 12.252,
198.515

 57, 12.252,
198.515

 47, 12.252,
198.515

 37, 12.252,
198.515

 27, 12.252,
198.515

 17, 12.252,
198.515

 7, 12.252, 198.515

0, 12.252, 198.515

77, 12.252,
198.515

77, 12.252,
198.515

76, 18.508,
198.025

78, 5.511, 199.075

75, 24.160,
197.603

80, 1.607, 19.186

74, 29.099,
197.241

81, 9.001, 20.042

73, 33.230,
196.943

85, 22.227, 21.127

73, 36.489,
196.711

85, 22.227, 21.126

72, 38.854,
196.544

85, 22.227, 21.124

85, 22.227, 21.122

■ 72, 40.354,
196.439

■ 85, 22.227, 21.120

■ 72, 41.111,
196.386

■ 72, 41.240,
196.376

Harmonies

Complementary

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



77, 12.252, 198.515



70, 13.748, 20.614

Rectangle

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



77, 12.252, 198.515



77, 12.252, 248.515



77, 12.252, 18.515



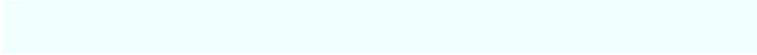
77, 12.252, 68.515

Sweetspot

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



77, 12.253, 198.508



99, 4.397, 199.272



76, 22.888, 142.919



53, 2.995, 199.215



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, 12.253, 198.508



97, 17.658, 198.330



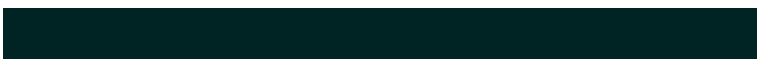
72, 11.009, 256.065



41, 4.034, 198.973



61, 35.890, 196.377



12, 12.984, 196.379

Inverse Universe

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



70, 13.748, 20.614



86, 20.312, 20.944



74, 11.583, 71.433



39, 4.279, 19.917



34, 74.642, 39.774



3, 15.885, 19.402

Previews

White Background



This preview shows how the CIELCh color 77, 12.252, 198.515 looks on a white background.

Color Contrast Check

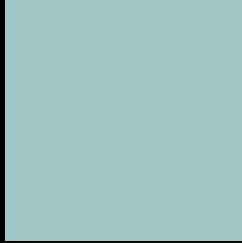
Large Text (above 18pt) WCAG AA × Fail

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, 12.252, 198.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

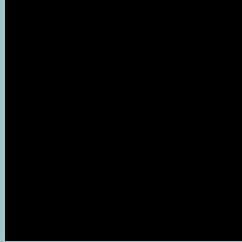
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

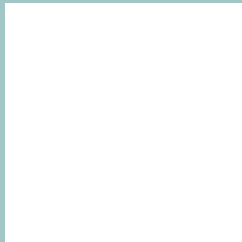
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 12.252, 198.515

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.252, 198.515.

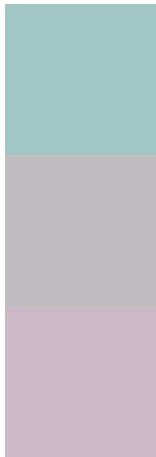


This preview shows how white text looks on a background with the CIELCh color 77, 12.252, 198.515.

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, 12.252, 198.515

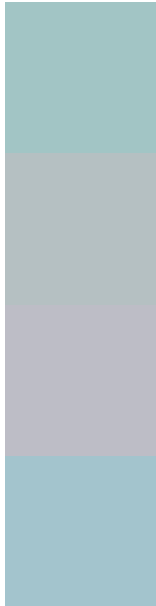
Protanopia
77, 1.972, 324.400

Deuteranopia
77, 10.946, 332.945



Tritanopia
77, 13.071, 237.019

Trichromacy



Original Color
77, 12.252, 198.515

Protanomaly
77, 4.102, 214.433

Deuteranomaly
77, 4.841, 290.638

Tritanomaly
77, 12.204, 222.094

Monochromacy



Original Color
77, 12.252, 198.515

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, 12.252, 198.515 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(162, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.252, 198.515 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(162, 197, 197) }
```

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

```
.border{ border-color:rgb(162, 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(162, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.252, 198.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 197) }
```

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

```
.background{ background-color: rgb(162,  
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](#).

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