

Converting Colors

CIELCh(77, 18.458, 198.302)

Have a look what the booklet for
CIELCh(77, 18.458, 198.302)
contains.

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Color

CIELCh(77, 18.578, 198.043)

Conversions

Conversions Part 1

Format	Color
Hex	91C8C8
RGB	145, 200, 200
RGB Percent	57%, 78%, 78%
CMY	0.4312, 0.2155, 0.2155
CMYK	0.27, 0.00, 0.00, 0.22
HSL	180°, 33%, 68%
HSV	180°, 27%, 78%
XYZ	42.7855, 51.5317, 62.3693
YIQ	183.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

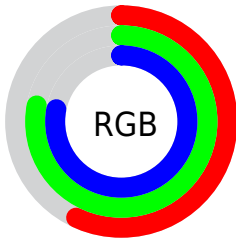
Format	Color
R_{YB}	145, 173, 200
Decimal	9554120
CIE _{Lab}	77.00, -17.66, -5.75
CIE _{LCh}	77, 18.578, 198.043
Yxy	51.5317, 0.2731, 0.3289
Android (android.graphics.Color)	4287744200 (0xFF91C8C8)
YUV	183.5550, 8.1074, -33.8127
Hunter-Lab	71.7856, -19.2356, -1.2629

Details

The CIELCh color **77, 18.578, 198.043** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 22.361, 21.598**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.101, 198.308**, and **57, 18.673, 197.674** is the 20% darker color. If you saturate the color by 10%, you get **76, 24.323, 197.614**, and if you desaturate by 10%, it is **78, 12.226, 198.524**.

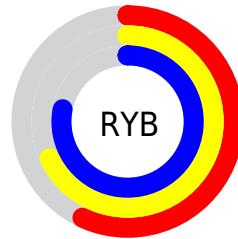
Distribution



Red (57%)

Green (78%)

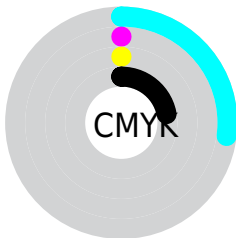
Blue (78%)



Red (57%)

Yellow (68%)

Blue (78%)

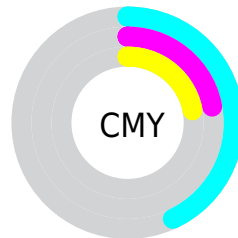


Cyan (27%)

Magenta (0%)

Yellow (0%)

Black (22%)



Cyan (43%)


Magenta (22%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 18.578, 198.043 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, 18.578, 198.043 by changing the saturation by 10% instead.


 77, 18.578,
198.043


 77, 18.578,
198.043


 100, 18.578,
198.043


 67, 18.578,
198.043


 97, 18.578,
198.043

 57, 18.578,
198.043

 47, 18.578,
198.043

 37, 18.578,
198.043

 27, 18.578,
198.043

 17, 18.578,
198.043

 7, 18.578, 198.043

■ 0, 18.578, 198.043

■ 77, 18.578,
198.043

■ 77, 18.578,
198.043

■ 76, 24.323,
197.614

■ 78, 12.226,
198.524

■ 75, 29.347,
197.251

■ 80, 5.381, 199.095

■ 74, 33.553,
196.951

■ 81, 1.841, 19.243

■ 83, 9.340, 20.063

■ 74, 36.876,
196.718

■ 84, 17.028, 20.690

■ 74, 39.291,
196.550

■ 85, 20.884, 20.999

■ 85, 20.884, 20.998

■ 73, 40.828,
196.443

■ 85, 20.884, 20.997

■ 73, 41.602,
196.389

■ 85, 20.884, 20.995

■ 73, 41.746,
196.379

Harmonies

Complementary

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



77, 18.578, 198.043



65, 22.361, 21.598

Rectangle

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



77, 18.578, 198.043



77, 18.578, 248.043



77, 18.578, 18.043



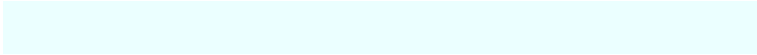
77, 18.578, 68.043

Sweetspot

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



77, 18.578, 198.039



99, 6.985, 199.054



76, 35.888, 142.174



52, 4.945, 198.959



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, 18.578, 198.039



95, 26.524, 197.778



70, 17.119, 257.746



41, 4.034, 198.975



61, 35.890, 196.379



12, 12.984, 196.381

Inverse Universe

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



65, 22.361, 21.598



78, 33.410, 22.334



72, 18.597, 70.261



39, 4.279, 19.919



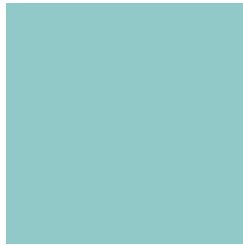
34, 74.643, 39.774



3, 15.885, 19.403

Previews

White Background



This preview shows how the CIELCh color 77, 18.578, 198.043 looks on a white background.

Color Contrast Check

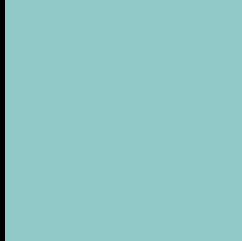
Large Text (above 18pt) WCAG AA × Fail

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, 18.578, 198.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

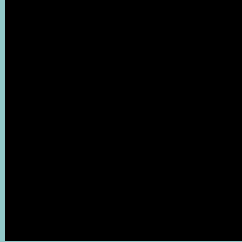
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

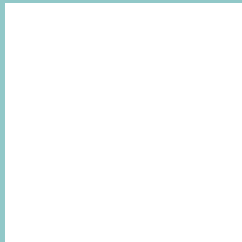
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 18.578, 198.043

Background



This preview shows how black text looks on a background with the CIELCh color 77, 18.578, 198.043.

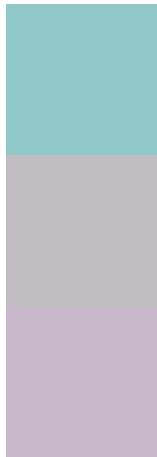


This preview shows how white text looks on a background with the CIELCh color 77, 18.578, 198.043.

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, 18.578, 198.043

Protanopia

77, 3.086, 318.859

Deuteranopia

77, 11.996, 321.996



Tritanopia
77, 18.223, 226.678

Trichromacy



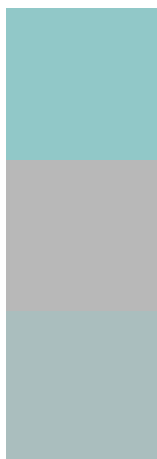
Original Color
77, 18.578, 198.043

Protanomaly
77, 6.399, 218.725

Deuteranomaly
77, 7.139, 264.176

Tritanomaly
77, 17.873, 215.828

Monochromacy



Original Color
77, 18.578, 198.043

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 7.194, 198.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 18.578, 198.043 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(145, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(145, 200, 200)  
}
```

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(145, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 200, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 18.578, 198.043 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(145, 200, 200) }
```

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

```
.border{ border-color:rgb(145, 200, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(145, 200,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 18.578, 198.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 200, 200) }
```

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

```
.background{ background-color: rgb(145,  
200, 200) }
```

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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