

Converting Colors

CIELCh(77, 18.980, 199.479)

Have a look what the booklet for
CIELCh(77, 18.980, 199.479)
contains.

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Color

CIELCh(77, 18.824, 199.678)

Conversions

Conversions Part 1

Format	Color
Hex	90C8C9
RGB	144, 200, 201
RGB Percent	56%, 78%, 79%
CMY	0.4348, 0.2152, 0.2113
CMYK	0.28, 0.00, 0.00, 0.21
HSL	181°, 35%, 68%
HSV	181°, 28%, 79%
XYZ	42.7653, 51.5317, 63.0301
YIQ	183.3700, -33.6970, -11.5610

Conversions

Conversions Part 2

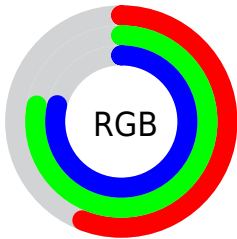
Format	Color
RYB	144, 172, 201
Decimal	9488585
CIELab	77.00, -17.72, -6.34
CIELCh	77, 18.824, 199.678
Yxy	51.5317, 0.2718, 0.3275
Android (android.graphics.Color)	4287678665 (0xFF90C8C9)
YUV	183.3700, 8.6916, -34.5275
Hunter-Lab	71.7856, -19.2858, -1.8086

Details

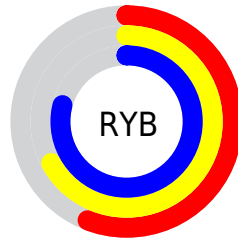
The CIELCh color **77, 18.824, 199.678** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 22.848, 22.998**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.406, 198.288**, and **57, 18.886, 199.410** is the 20% darker color. If you saturate the color by 10%, you get **76, 24.426, 199.339**, and if you desaturate by 10%, it is **78, 12.609, 200.081**.

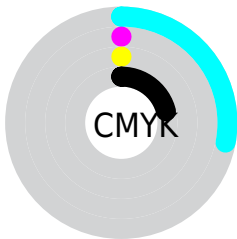
Distribution



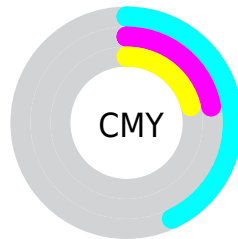
- Red (56%)
- Green (78%)
- Blue (79%)



- Red (56%)
- Yellow (67%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)




- Cyan (43%)
- Magenta (22%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 18.824, 199.678 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, 18.824, 199.678 by changing the saturation by 10% instead.

 77, 18.824,
199.678

 77, 18.824,
199.678

 100, 18.824,
199.678


 67, 18.824,
199.678


 97, 18.824,
199.678

 57, 18.824,
199.678

 47, 18.824,
199.678

 37, 18.824,
199.678

 27, 18.824,
199.678

 17, 18.824,
199.678

 7, 18.824, 199.678

■ 0, 18.824, 199.678

■ 77, 18.824,
199.678

■ 77, 18.824,
199.678

■ 76, 24.426,
199.339

■ 78, 12.609,
200.081

■ 75, 29.302,
199.081

■ 80, 5.897, 200.578

■ 74, 33.358,
198.907

■ 81, 1.201, 20.511

■ 83, 8.585, 21.434

■ 74, 36.526,
198.822

■ 85, 16.166, 22.016

■ 73, 38.785,
198.833

■ 86, 20.042, 22.563

■ 86, 19.918, 23.082

■ 73, 40.165,
198.938

■ 86, 19.796, 23.608

■ 73, 40.803,
199.129

■ 86, 19.676, 24.140

■ 73, 40.883,
199.164

Harmonies

Complementary

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



77, 18.824, 199.678



66, 22.848, 22.998

Rectangle

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



77, 18.824, 199.678



77, 18.824, 249.678



77, 18.824, 19.678



77, 18.824, 69.678

Sweetspot

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



77, 18.824, 199.674



98, 7.700, 200.533



76, 36.931, 142.934



52, 5.330, 200.453



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, 18.824, 199.674



94, 26.714, 199.460



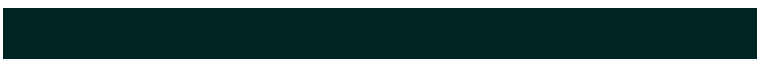
69, 18.298, 261.605



41, 3.963, 200.519



60, 35.020, 199.121



11, 12.737, 198.505

Inverse Universe

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



67, 36.914, 326.454



80, 53.509, 326.780



73, 19.613, 73.634



39, 7.295, 325.403



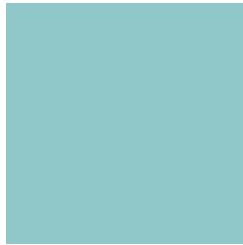
38, 81.645, 328.932



4, 26.347, 327.591

Previews

White Background



This preview shows how the CIELCh color 77, 18.824, 199.678 looks on a white background.

Color Contrast Check

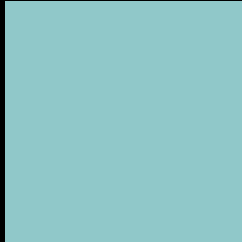
Large Text (above 18pt) WCAG AA × Fail

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, 18.824, 199.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

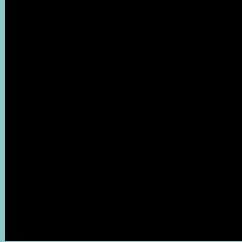
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

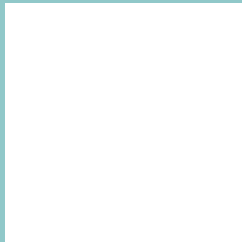
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 18.824, 199.678

Background



This preview shows how black text looks on a background with the CIELCh color 77, 18.824, 199.678.



This preview shows how white text looks on a background with the CIELCh color 77, 18.824, 199.678.

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, 18.824, 199.678

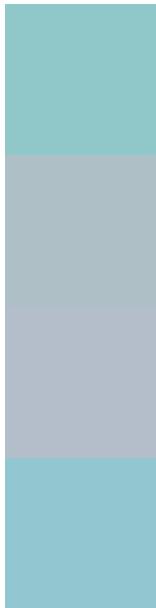
Protanopia
77, 3.428, 309.168

Deuteranopia
77, 12.456, 320.717



Tritanopia
77, 18.483, 226.229

Trichromacy



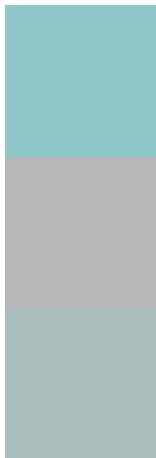
Original Color
77, 18.824, 199.678

Protanomaly
77, 6.893, 222.036

Deuteranomaly
77, 7.765, 263.709

Tritanomaly
77, 18.157, 215.526

Monochromacy



Original Color
77, 18.824, 199.678

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, 18.824, 199.678 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(144, 200, 201)` looks like.

```
.text, #text, p{  
    color:rgb(144, 200, 201)  
}
```

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(144, 200, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 200, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 18.824, 199.678 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(144, 200, 201) }
```

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

```
.border{ border-color:rgb(144, 200, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 200, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 200, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 200, 201);  
box-shadow:4px 4px 4px 4px rgb(144, 200,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 18.824, 199.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 200, 201) }
```

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

```
.background{ background-color: rgb(144,  
200, 201) }
```

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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