

Converting Colors

CIELCh(78, 38.117, 199.459)

Have a look what the booklet for
CIELCh(78, 38.117, 199.459)
contains.

CIELCh(78, 38.225, 199.201)	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(78, 38.225, 199.201)

Conversions

Conversions Part 1

Format	Color
Hex	45D4D7
RGB	69, 212, 215
RGB Percent	27%, 83%, 84%
CMY	0.7298, 0.1689, 0.1572
CMYK	0.68, 0.01, 0.00, 0.16
HSL	181°, 65%, 56%
HSV	181°, 68%, 84%
XYZ	38.2268, 53.2120, 72.4945
YIQ	169.5850, -86.1910, -29.3830

Conversions

Conversions Part 2

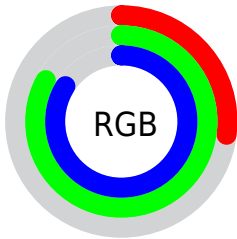
Format	Color
RYB	69, 141, 215
Decimal	4576471
CIELab	78.00, -36.10, -12.57
CIELCh	78, 38.225, 199.201
Yxy	53.2120, 0.2332, 0.3246
Android (android.graphics.Color)	4282766551 (0xFF45D4D7)
YUV	169.5850, 22.3896, -88.2130
Hunter-Lab	72.9466, -34.1156, -7.8600

Details

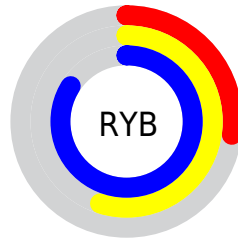
The CIELCh color **78, 38.225, 199.201** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 64.839, 30.765**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **59, 34.456, 199.317** is the 20% darker color. If you saturate the color by 10%, you get **77, 40.602, 199.240**, and if you desaturate by 10%, it is **79, 34.883, 199.259**.

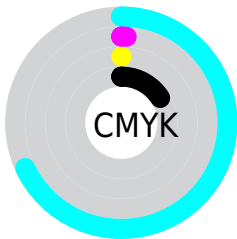
Distribution



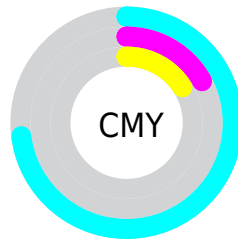
- Red (27%)
- Green (83%)
- Blue (84%)



- Red (27%)
- Yellow (55%)
- Blue (84%)



- Cyan (68%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)





- Cyan (73%)
- Magenta (17%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 38.225, 199.201 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 78, 38.225, 199.201 by changing the saturation by 10% instead.


 78, 38.225,
199.201

 78, 38.225,
199.201


 100, 38.225,
199.201


 68, 38.225,
199.201


 98, 38.225,
199.201

 58, 38.225,
199.201

 48, 38.225,
199.201

 38, 38.225,
199.201

 28, 38.225,
199.201

 18, 38.225,
199.201

 8, 38.225, 199.201

0, 38.225, 199.201

78, 38.225,
199.201

78, 38.225,
199.201

77, 40.602,
199.240

79, 34.883,
199.259

77, 42.048,
199.384

80, 30.604,
199.414

77, 42.692,
199.622

81, 25.457,
199.657

77, 42.783,
199.676

82, 19.546,
199.980

83, 12.990,
200.378

85, 5.913, 200.871

■ 86, 1.570, 20.883

■ 88, 9.349, 21.713

■ 89, 14.538, 22.398

Harmonies

Complementary

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



78, 38.225, 199.201



51, 64.839, 30.765

Rectangle

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



78, 38.225, 199.201



78, 38.225, 249.201



78, 38.225, 19.201



78, 38.225, 69.201

Sweetspot

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



78, 38.225, 199.200



96, 16.518, 200.282



76, 87.070, 138.682



51, 11.163, 200.166



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 38.225, 199.200



90, 47.120, 199.297



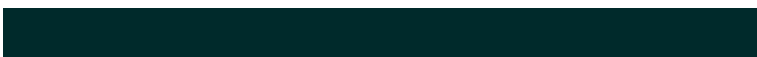
57, 45.192, 272.598



44, 4.199, 200.788



62, 36.072, 199.623



15, 14.219, 199.017

Inverse Universe

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



56, 85.257, 328.369



62, 108.306, 328.789



66, 53.513, 68.310



42, 7.739, 325.491



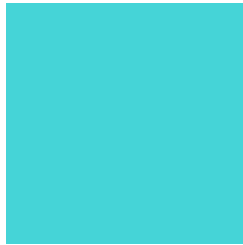
40, 84.249, 329.060



6, 32.467, 328.713

Previews

White Background



This preview shows how the CIELCh color 78, 38.225, 199.201 looks on a white background.

Color Contrast Check

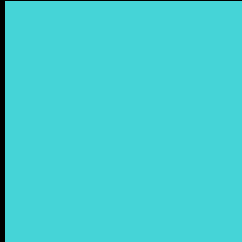
Large Text (above 18pt) WCAG AA × Fail

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 78, 38.225, 199.201 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 78, 38.225, 199.201

Background



This preview shows how black text looks on a background with the CIELCh color 78, 38.225, 199.201.

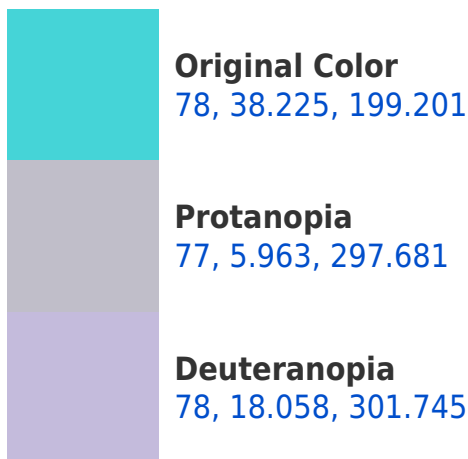


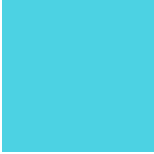
This preview shows how white text looks on a background with the CIELCh color 78, 38.225, 199.201.

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





Tritanopia
78, 36.157, 211.820

Trichromacy



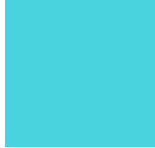
Original Color
78, 38.225, 199.201



Protanomaly
77, 17.421, 212.602



Deuteranomaly
77, 18.720, 237.973

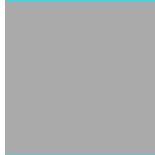


Tritanomaly
78, 36.837, 207.111

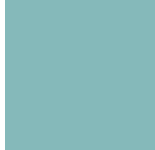
Monochromacy



Original Color
78, 38.225, 199.201



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 17.735, 199.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 38.225, 199.201 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(69, 212, 215)` looks like.

```
.text, #text, p{  
    color:rgb(69, 212, 215)  
}
```

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(69, 212, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 212, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 38.225, 199.201 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(69, 212, 215) }
```

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

```
.border{ border-color:rgb(69, 212, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 212, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 212, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 212, 215);  
box-shadow:4px 4px 4px 4px rgb(69, 212,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 38.225, 199.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 212, 215) }
```

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

```
.background{ background-color: rgb(69, 212,  
215) }
```

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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