

Converting Colors

CIELCh(78, 35.063, 198.723)

Have a look what the booklet for
CIELCh(78, 35.063, 198.723)
contains.

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Color

CIELCh(78, 35.090, 198.726)

Conversions

Conversions Part 1

Format	Color
Hex	58D3D5
RGB	88, 211, 213
RGB Percent	35%, 83%, 84%
CMY	0.6568, 0.1742, 0.1664
CMYK	0.59, 0.01, 0.00, 0.17
HSL	181°, 60%, 59%
HSV	181°, 59%, 83%
XYZ	39.1243, 53.2120, 70.8801
YIQ	174.4510, -73.9500, -25.4540

Conversions

Conversions Part 2

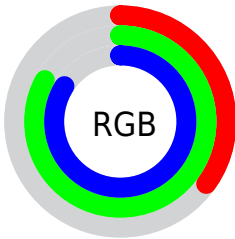
Format	Color
RYB	88, 150, 213
Decimal	5821397
CIELab	78.00, -33.23, -11.27
CIElCh	78, 35.090, 198.726
Yxy	53.2120, 0.2397, 0.3260
Android (android.graphics.Color)	4284011477 (0xFF58D3D5)
YUV	174.4510, 19.0047, -75.8175
Hunter-Lab	72.9466, -31.9194, -6.5478

Details

The CIELCh color **78, 35.090, 198.726** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 54.825, 28.070**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **58, 34.425, 198.344** is the 20% darker color. If you saturate the color by 10%, you get **77, 38.344, 198.634**, and if you desaturate by 10%, it is **79, 30.901, 198.904**.

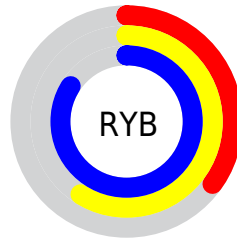
Distribution



Red (35%)

Green (83%)

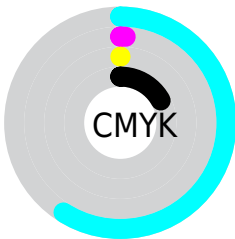
Blue (84%)



Red (35%)

Yellow (59%)

Blue (84%)

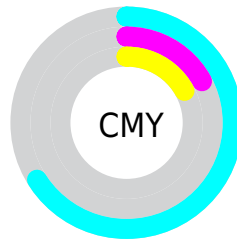


Cyan (59%)

Magenta (1%)

Yellow (0%)

Black (17%)



Cyan (66%)


Magenta (17%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 35.090, 198.726 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, 35.090, 198.726 by changing the saturation by 10% instead.


 78, 35.090,
198.726


 78, 35.090,
198.726


 100, 35.090,
198.726


 68, 35.090,
198.726


 98, 35.090,
198.726

 58, 35.090,
198.726

 48, 35.090,
198.726

 38, 35.090,
198.726

 28, 35.090,
198.726

 18, 35.090,
198.726

 8, 35.090, 198.726

0, 35.090, 198.726

78, 35.090,
198.726

78, 35.090,
198.726

77, 38.344,
198.634

79, 30.901,
198.904

77, 40.642,
198.636

80, 25.844,
199.167

77, 42.025,
198.730

81, 20.018,
199.506

76, 42.645,
198.906

82, 13.540,
199.917

76, 42.700,
198.928

84, 6.533, 200.414

85, 0.885, 20.166

87, 8.608, 21.283

■ 89, 15.556, 21.879

■ 89, 15.436, 22.527

Harmonies

Complementary

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



78, 35.090, 198.726



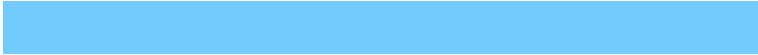
54, 54.825, 28.070

Rectangle

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



78, 35.090, 198.726



78, 35.090, 248.726



78, 35.090, 18.726



78, 35.090, 68.726

Sweetspot

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



78, 35.090, 198.724



97, 15.031, 199.946



76, 77.756, 139.356



51, 10.347, 199.816



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, 35.090, 198.724



91, 44.865, 198.625



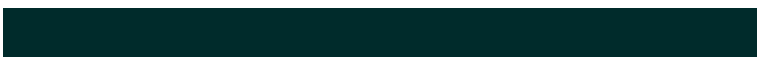
60, 38.101, 267.607



44, 4.218, 200.380



62, 36.296, 198.890



15, 14.292, 198.424

Inverse Universe

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



58, 76.169, 327.886



64, 100.755, 328.341



67, 45.210, 68.003



42, 7.763, 325.367



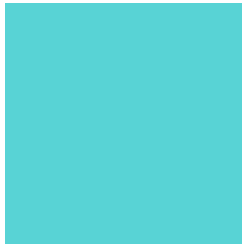
40, 84.547, 328.874



6, 32.574, 328.562

Previews

White Background



This preview shows how the CIELCh color 78, 35.090, 198.726 looks on a white background.

Color Contrast Check

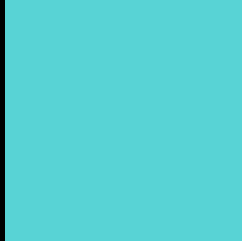
Large Text (above 18pt) WCAG AA × Fail

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, 35.090, 198.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

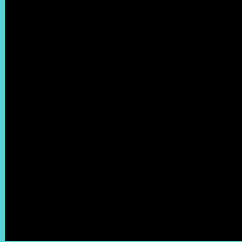
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

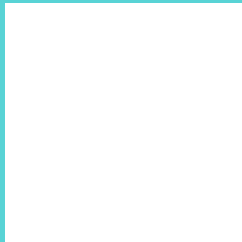
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 35.090, 198.726

Background



This preview shows how black text looks on a background with the CIELCh color 78, 35.090, 198.726.

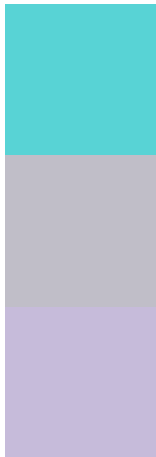


This preview shows how white text looks on a background with the CIELCh color 78, 35.090, 198.726.

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
78, 35.090, 198.726

Protanopia
77, 5.431, 298.335

Deuteranopia
78, 17.152, 304.637



Tritanopia
78, 33.217, 212.359

Trichromacy



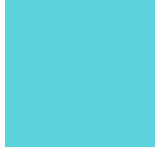
Original Color
78, 35.090, 198.726



Protanomaly
77, 15.061, 215.081



Deuteranomaly
77, 16.276, 240.218

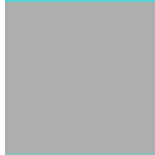


Tritanomaly
78, 33.807, 206.333

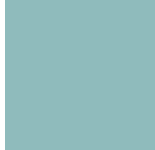
Monochromacy



Original Color
78, 35.090, 198.726



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 15.225, 200.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 35.090, 198.726 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(88, 211, 213)` looks like.

```
.text, #text, p{  
    color:rgb(88, 211, 213)  
}
```

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(88, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 211, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 35.090, 198.726 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(88, 211, 213) }
```

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

```
.border{ border-color:rgb(88, 211, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 211, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 211, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 211, 213);  
box-shadow:4px 4px 4px 4px rgb(88, 211,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 35.090, 198.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 211, 213) }
```

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

```
.background{ background-color: rgb(88, 211,  
213) }
```

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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