

Converting Colors

CIELCh(78, 33.906, 212.976)

Have a look what the booklet for
CIELCh(78, 33.906, 212.976)
contains.

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Color

CIELCh(78, 33.935, 212.952)

Conversions

Conversions Part 1

Format	Color
Hex	59D1E2
RGB	89, 209, 226
RGB Percent	35%, 82%, 89%
CMY	0.6510, 0.1804, 0.1137
CMYK	0.61, 0.08, 0.00, 0.11
HSL	187°, 70%, 62%
HSV	187°, 61%, 89%
XYZ	40.6447, 53.2120, 80.0755
YIQ	175.0580, -76.9770, -20.1530

Conversions

Conversions Part 2

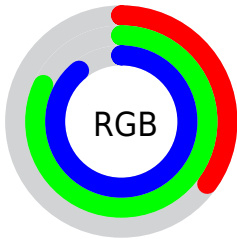
Format	Color
R_{YB}	89, 153, 226
Decimal	5886434
CIE _{Lab}	78.00, -28.48, -18.46
CIE _{LCh}	78, 33.935, 212.952
Yxy	53.2120, 0.2337, 0.3059
Android (android.graphics.Color)	4284076514 (0xFF59D1E2)
YUV	175.0580, 25.1144, -75.4729
Hunter-Lab	72.9466, -28.1991, -14.0217

Details

The CIELCh color **78, 33.935, 212.952** 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 **59, 55.511, 35.088**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **58, 33.112, 213.962** is the 20% darker color. If you saturate the color by 10%, you get **77, 36.800, 214.055**, and if you desaturate by 10%, it is **80, 30.143, 212.150**.

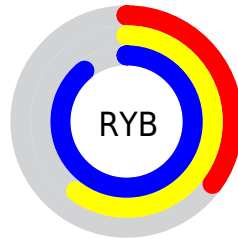
Distribution



Red (35%)

Green (82%)

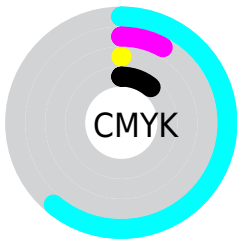
Blue (89%)



Red (35%)

Yellow (60%)

Blue (89%)

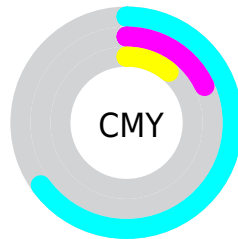


Cyan (61%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (65%)


Magenta (18%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.935, 212.952 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, 33.935, 212.952 by changing the saturation by 10% instead.


 78, 33.935,
212.952


 78, 33.935,
212.952


 100, 33.935,
212.952


 68, 33.935,
212.952


 98, 33.935,
212.952

 58, 33.935,
212.952

 48, 33.935,
212.952

 38, 33.935,
212.952

 28, 33.935,
212.952

 18, 33.935,
212.952

 8, 33.935, 212.952

■ 0, 33.935, 212.952

■ 78, 33.935,
212.952

■ 78, 33.935,
212.952

■ 77, 36.800,
214.055

■ 80, 30.143,
212.150

■ 75, 38.721,
215.515

■ 81, 25.492,
211.604

■ 74, 39.751,
217.382

■ 83, 20.082,
211.266

■ 73, 40.099,
219.480

■ 85, 14.027,
211.101

■ 87, 7.445, 211.093

■ 90, 0.445, 212.437

■ 92, 6.873, 31.120

■ 94, 9.045, 37.815

■ 94, 8.675, 48.855

Harmonies

Complementary

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



78, 33.935, 212.952



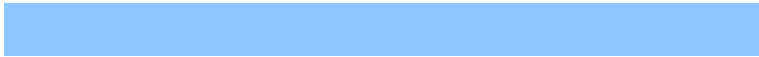
59, 55.511, 35.088

Rectangle

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



78, 33.935, 212.952



78, 33.935, 262.952



78, 33.935, 32.952



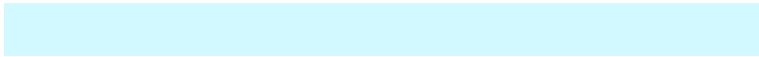
78, 33.935, 82.952

Sweetspot

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



78, 33.934, 212.951



95, 13.615, 211.084



80, 77.800, 142.105



50, 9.371, 211.105



0, 0.000, 0.000



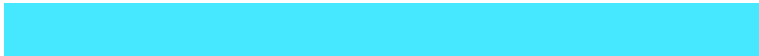
53, 0.007, 296.813

Same Dimension

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



78, 33.934, 212.951



85, 41.025, 214.435



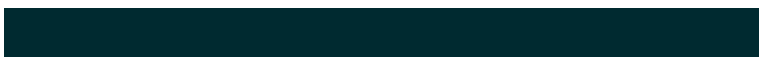
59, 48.856, 279.494



46, 3.971, 211.105



58, 33.291, 219.049



15, 13.844, 214.904

Inverse Universe

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



60, 76.177, 331.649



63, 95.163, 332.395



74, 50.979, 78.587



44, 7.487, 328.544



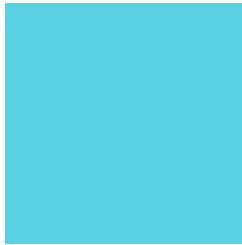
41, 79.411, 333.857



7, 33.041, 332.820

Previews

White Background



This preview shows how the CIE LCh color 78, 33.935, 212.952 looks on a white background.

Color Contrast Check

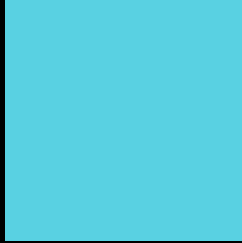
Large Text (above 18pt) WCAG AA × Fail

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, 33.935, 212.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

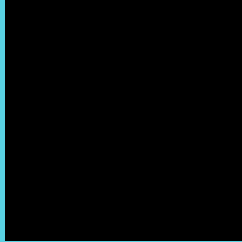
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 33.935, 212.952

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.935, 212.952.

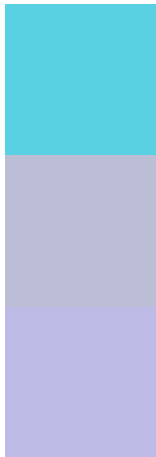


This preview shows how white text looks on a background with the CIELCh color 78, 33.935, 212.952.

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, 33.935, 212.952

Protanopia
78, 12.887, 288.255

Deuteranopia
78, 23.708, 295.563



Tritanopia
78, 33.935, 212.952

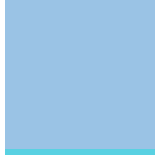
Trichromacy



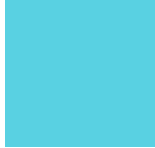
Original Color
78, 33.935, 212.952



Protanomaly
77, 18.194, 237.096



Deuteranomaly
77, 22.017, 255.307

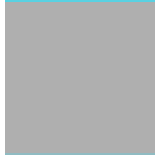


Tritanomaly
78, 33.935, 212.952

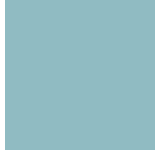
Monochromacy



Original Color
78, 33.935, 212.952



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 15.047, 213.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.935, 212.952 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(89, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(89, 209, 226)  
}
```

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(89, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 209, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.935, 212.952 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(89, 209, 226) }
```

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

```
.border{ border-color:rgb(89, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(89, 209,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.935, 212.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 209, 226) }
```

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

```
.background{ background-color: rgb(89, 209,  
226) }
```

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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