

Converting Colors

CIELCh(78, 34.005, 219.798)

Have a look what the booklet for
CIELCh(78, 34.005, 219.798)
contains.

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Color

CIELCh(78, 33.978, 219.835)

Conversions

Conversions Part 1

Format	Color
Hex	5AD0E8
RGB	90, 208, 232
RGB Percent	35%, 82%, 91%
CMY	0.6463, 0.1837, 0.0895
CMYK	0.61, 0.10, 0.00, 0.09
HSL	190°, 76%, 63%
HSV	190°, 61%, 91%
XYZ	41.4214, 53.2120, 84.5574
YIQ	175.4540, -78.0320, -17.5520

Conversions

Conversions Part 2

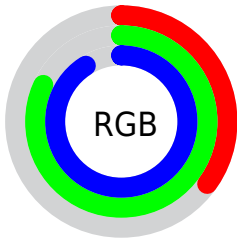
Format	Color
RYB	90, 154, 232
Decimal	5951720
CIELab	78.00, -26.09, -21.77
CIELCh	78, 33.978, 219.835
Yxy	53.2120, 0.2312, 0.2970
Android (android.graphics.Color)	4284141800 (0xFF5AD0E8)
YUV	175.4540, 27.8772, -74.9432
Hunter-Lab	72.9466, -26.2985, -17.6645

Details

The CIELCh color **78, 33.978, 219.835** 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 **62, 55.760, 38.315**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.401, 197.485**, and **58, 33.198, 220.434** is the 20% darker color. If you saturate the color by 10%, you get **76, 36.872, 221.542**, and if you desaturate by 10%, it is **80, 30.190, 218.539**.

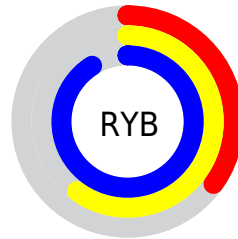
Distribution



Red (35%)

Green (82%)

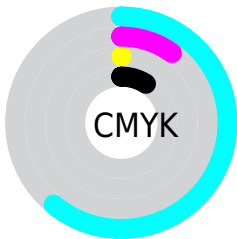
Blue (91%)



Red (35%)

Yellow (60%)

Blue (91%)

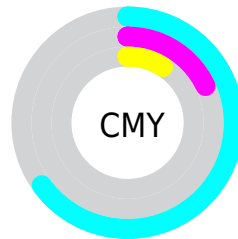


Cyan (61%)

Magenta (10%)

Yellow (0%)

Black (9%)



Cyan (65%)


Magenta (18%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.978, 219.835 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, 33.978, 219.835 by changing the saturation by 10% instead.


 78, 33.978,
219.835


 78, 33.978,
219.835


 100, 33.978,
219.835


 68, 33.978,
219.835


 98, 33.978,
219.835

 58, 33.978,
219.835

 48, 33.978,
219.835

 38, 33.978,
219.835

 28, 33.978,
219.835

 18, 33.978,
219.835

 8, 33.978, 219.835

0, 33.978, 219.835

78, 33.978,
219.835

78, 33.978,
219.835

76, 36.872,
221.542

80, 30.190,
218.539

75, 38.868,
223.737

82, 25.570,
217.584

73, 40.038,
226.486

84, 20.212,
216.906

72, 40.576,
229.341

87, 14.227,
216.453

89, 7.726, 216.197

92, 0.817, 216.713

95, 6.408, 35.811

■ 96, 6.725, 53.787

■ 97, 7.098, 73.833

Harmonies

Complementary

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



78, 33.978, 219.835



62, 55.760, 38.315

Rectangle

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



78, 33.978, 219.835



78, 33.978, 269.835



78, 33.978, 39.835



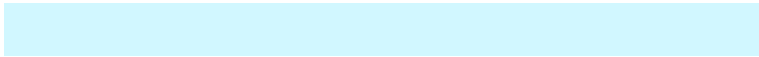
78, 33.978, 89.835

Sweetspot

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



78, 33.977, 219.834



95, 13.194, 216.354



82, 77.392, 143.469



50, 9.083, 216.449



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, 33.977, 219.834



83, 40.142, 221.986



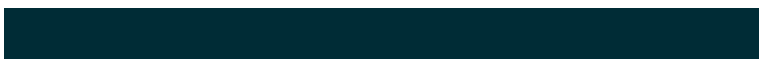
58, 54.256, 283.548



48, 3.988, 216.176



57, 33.674, 228.748



16, 14.450, 223.399

Inverse Universe

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



61, 76.027, 333.437



62, 92.294, 334.302



78, 53.931, 82.813



46, 7.524, 330.021



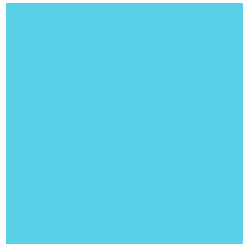
41, 78.339, 336.317



9, 34.187, 334.944

Previews

White Background



This preview shows how the CIE LCh color 78, 33.978, 219.835 looks on a white background.

Color Contrast Check

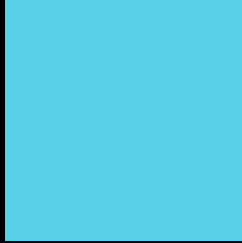
Large Text (above 18pt) WCAG AA × Fail

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, 33.978, 219.835 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, 33.978, 219.835

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.978, 219.835.



This preview shows how white text looks on a background with the CIELCh color 78, 33.978, 219.835.

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

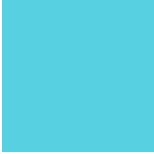
78, 33.978, 219.835

Protanopia

78, 16.129, 286.765

Deuteranopia

78, 26.300, 291.827

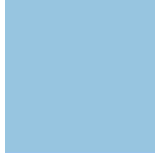


Tritanopia
78, 34.269, 212.775

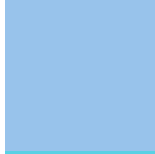
Trichromacy



Original Color
78, 33.978, 219.835



Protanomaly
77, 20.281, 244.554



Deuteranomaly
77, 24.842, 259.245

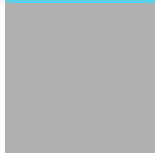


Tritanomaly
78, 34.170, 214.755

Monochromacy



Original Color
78, 33.978, 219.835



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 15.130, 215.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.978, 219.835 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(90, 208, 232)` looks like.

```
.text, #text, p{  
    color:rgb(90, 208, 232)  
}
```

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(90, 208, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 208, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.978, 219.835 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(90, 208, 232) }
```

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

```
.border{ border-color:rgb(90, 208, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 208, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(90, 208,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.978, 219.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 208, 232) }
```

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

```
.background{ background-color: rgb(90, 208,  
232) }
```

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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