

Converting Colors

CIELCh(78, 18.181, 267.499)

Have a look what the booklet for
CIELCh(78, 18.181, 267.499)
contains.

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Color

CIELCh(78, 18.042, 266.630)

Conversions

Conversions Part 1

Format	Color
Hex	ACC3E2
RGB	172, 195, 226
RGB Percent	67%, 76%, 89%
CMY	0.3260, 0.2358, 0.1142
CMYK	0.24, 0.14, 0.00, 0.11
HSL	214°, 48%, 78%
HSV	214°, 24%, 89%
XYZ	50.1803, 53.2120, 79.4813
YIQ	191.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

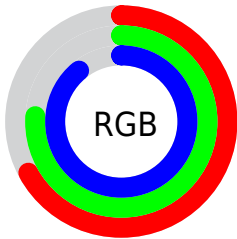
Format	Color
RYB	172, 188, 226
Decimal	11322338
CIELab	78.00, -1.06, -18.01
CIELCh	78, 18.042, 266.630
Yxy	53.2120, 0.2744, 0.2910
Android (android.graphics.Color)	4289512418 (0xFFACC3E2)
YUV	191.6570, 16.9311, -17.2392
Hunter-Lab	72.9466, -4.8655, -13.5387

Details

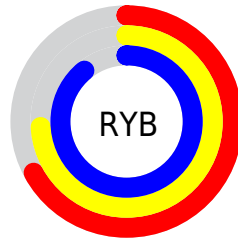
The CIELCh color **78, 18.042, 266.630** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **83, 18.700, 79.872**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 8.041, 213.780**, and **58, 18.369, 268.041** is the 20% darker color. If you saturate the color by 10%, you get **73, 25.601, 268.608**, and if you desaturate by 10%, it is **83, 10.485, 264.954**.

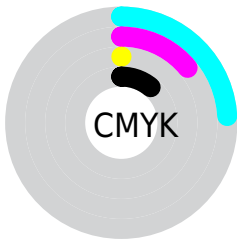
Distribution



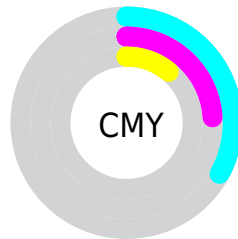
- Red (67%)
- Green (76%)
- Blue (89%)



- Red (67%)
- Yellow (74%)
- Blue (89%)



- Cyan (24%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (33%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 18.042, 266.630 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, 18.042, 266.630 by changing the saturation by 10% instead.

■ 78, 18.042,
266.630

■ 78, 18.042,
266.630

■ 100, 18.042,
266.630

■ 68, 18.042,
266.630

■ 98, 18.042,
266.630

■ 58, 18.042,
266.630

■ 48, 18.042,
266.630

■ 38, 18.042,
266.630

■ 28, 18.042,
266.630

■ 18, 18.042,
266.630

■ 8, 18.042, 266.630

0, 18.042, 266.630

78, 18.042,
266.630

78, 18.042,
266.630

73, 25.601,
268.608

83, 10.485,
264.954

68, 33.162,
270.947

88, 2.945, 263.601

64, 40.735,
273.690

93, 4.564, 82.183

97, 11.026, 93.474

59, 48.353,
276.871

99, 14.740,
109.064

54, 56.072,
280.480

50, 63.960,
284.446

■ 46, 72.060,
288.608

■ 44, 77.101,
291.076

Harmonies

Complementary

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



78, 18.042, 266.630



83, 18.700, 79.872

Rectangle

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



78, 18.042, 266.630



78, 18.042, 316.630



78, 18.042, 86.630



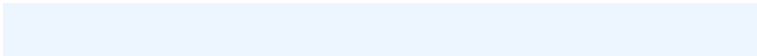
78, 18.042, 136.630

Sweetspot

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



78, 18.041, 266.626



96, 5.822, 263.976



86, 22.756, 165.176



51, 3.783, 264.056



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, 18.041, 266.626



84, 24.157, 267.634



72, 29.481, 295.275



45, 4.258, 264.300



34, 62.862, 290.356



7, 21.328, 281.162

Inverse Universe

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



76, 23.605, 350.157



81, 31.737, 350.782



88, 27.872, 110.728



44, 5.477, 348.635



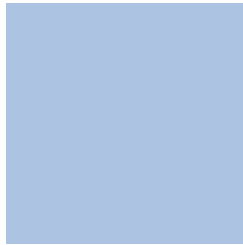
37, 63.974, 8.947



6, 25.835, 0.011

Previews

White Background



This preview shows how the CIELCh color 78, 18.042, 266.630 looks on a white background.

Color Contrast Check

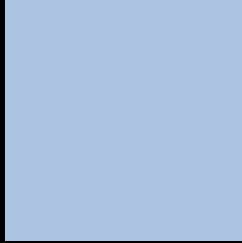
Large Text (above 18pt) WCAG AA × Fail

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, 18.042, 266.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

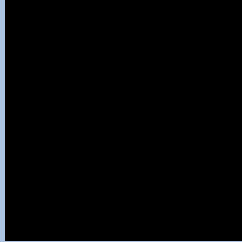
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

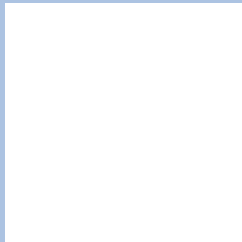
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 18.042, 266.630

Background



This preview shows how black text looks on a background with the CIELCh color 78, 18.042, 266.630.



This preview shows how white text looks on a background with the CIELCh color 78, 18.042, 266.630.

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

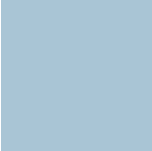
78, 18.042, 266.630

Protanopia

78, 17.179, 287.175

Deuteranopia

78, 21.076, 297.632



Tritanopia
78, 12.629, 241.822

Trichromacy



Original Color
78, 18.042, 266.630

Protanomaly
78, 17.454, 279.443

Deuteranomaly
78, 19.863, 288.079

Tritanomaly
78, 14.463, 253.886

Monochromacy



Original Color
78, 18.042, 266.630

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 6.495, 264.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 18.042, 266.630 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(172, 195, 226)` looks like.

```
.text, #text, p{  
    color:rgb(172, 195, 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(172, 195, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 195, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 18.042, 266.630 is called "border". The border property can be set on classes, ids or directly on the HTML element.

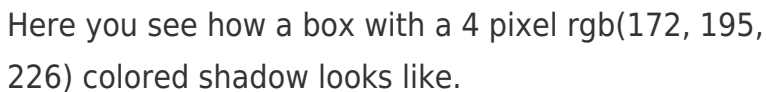
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 195, 226) }
```

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

```
.border{ border-color:rgb(172, 195, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 195, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 195, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 195, 226); box-shadow:4px 4px 4px 4px rgb(172, 195, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 18.042, 266.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 195, 226) }
```

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

```
.background{ background-color: rgb(172,  
195, 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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