

Converting Colors

CIELCh(78, 22.238, 267.554)

Have a look what the booklet for
CIELCh(78, 22.238, 267.554)
contains.

CIELCh(78, 22.451, 268.298)	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, 22.451, 268.298)

Conversions

Conversions Part 1

Format	Color
Hex	A7C3EA
RGB	167, 195, 234
RGB Percent	65%, 76%, 92%
CMY	0.3449, 0.2351, 0.0822
CMYK	0.29, 0.17, 0.00, 0.08
HSL	215°, 62%, 79%
HSV	215°, 29%, 92%
XYZ	50.3271, 53.2120, 85.4929
YIQ	191.0740, -29.2070, 6.1930

Conversions

Conversions Part 2

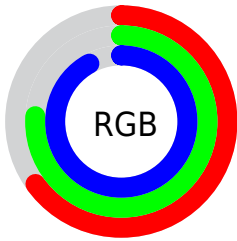
Format	Color
R _Y B	167, 187, 234
Decimal	10994666
CIE Lab	78.00, -0.67, -22.44
CIE LCh	78, 22.451, 268.298
Yxy	53.2120, 0.2662, 0.2815
Android (android.graphics.Color)	4289184746 (0xFFA7C3EA)
YUV	191.0740, 21.1625, -21.1129
Hunter-Lab	72.9466, -4.5062, -18.4249

Details

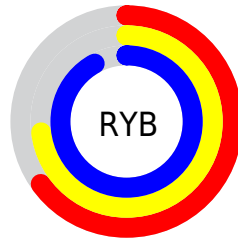
The CIELCh color **78, 22.451, 268.298** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **84, 23.373, 79.993**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 9.642, 211.183**, and **58, 22.590, 268.599** is the 20% darker color. If you saturate the color by 10%, you get **73, 30.327, 270.441**, and if you desaturate by 10%, it is **83, 14.587, 266.479**.

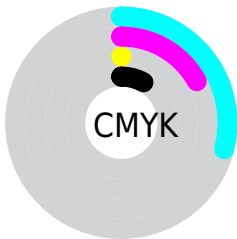
Distribution



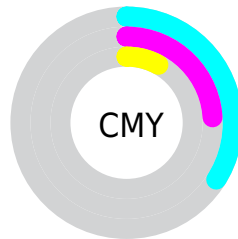
- Red (65%)
- Green (76%)
- Blue (92%)



- Red (65%)
- Yellow (73%)
- Blue (92%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)





- Cyan (34%)
- Magenta (24%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 22.451, 268.298 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, 22.451, 268.298 by changing the saturation by 10% instead.

 78, 22.451,
268.298

 78, 22.451,
268.298

 100, 22.451,
268.298

 68, 22.451,
268.298

 98, 22.451,
268.298

 58, 22.451,
268.298

 48, 22.451,
268.298

 38, 22.451,
268.298

 28, 22.451,
268.298

 18, 22.451,
268.298

 8, 22.451, 268.298

0, 22.451, 268.298

78, 22.451,
268.298

78, 22.451,
268.298

73, 30.327,
270.441

83, 14.587,
266.479

68, 38.224,
272.966

88, 6.746, 264.956

63, 46.162,
275.912

93, 1.060, 83.258

98, 8.099, 95.500

58, 54.189,
279.293

100, 10.607,
109.375

54, 62.370,
283.071

50, 70.762,
287.131

■ 46, 79.365,
291.237

■ 45, 80.562,
291.765

Harmonies

Complementary

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



78, 22.451, 268.298



84, 23.373, 79.993

Rectangle

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



78, 22.451, 268.298



78, 22.451, 318.298



78, 22.451, 88.298



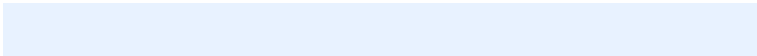
78, 22.451, 138.298

Sweetspot

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



78, 22.450, 268.296



95, 7.545, 265.013



88, 27.928, 164.655



50, 5.244, 265.219



0, 0.000, 0.000



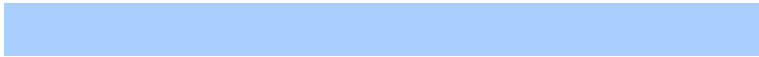
53, 0.007, 296.813

Same Dimension

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



78, 22.450, 268.296



81, 28.602, 269.439



71, 36.703, 295.890



46, 4.451, 265.072



35, 65.315, 291.057



8, 23.725, 283.663

Inverse Universe

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



76, 29.088, 351.224



78, 37.152, 351.935



91, 34.256, 110.313



46, 5.653, 349.127



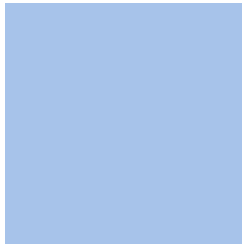
38, 65.403, 9.846



8, 28.034, 1.549

Previews

White Background



This preview shows how the CIELCh color 78, 22.451, 268.298 looks on a white background.

Color Contrast Check

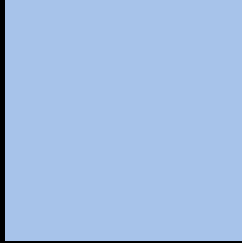
Large Text (above 18pt) WCAG AA × Fail

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, 22.451, 268.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

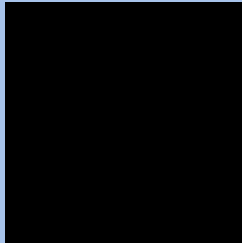
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

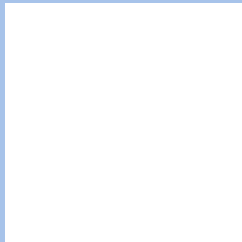
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 22.451, 268.298

Background



This preview shows how black text looks on a background with the CIELCh color 78, 22.451, 268.298.



This preview shows how white text looks on a background with the CIELCh color 78, 22.451, 268.298.

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, 14.344, 235.605

Trichromacy



Original Color
78, 22.451, 268.298

Protanomaly
78, 21.795, 279.879

Deuteranomaly
78, 23.687, 285.113

Tritanomaly
78, 16.589, 249.998

Monochromacy



Original Color
78, 22.451, 268.298

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 8.711, 267.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 22.451, 268.298 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(167, 195, 234)` looks like.

```
.text, #text, p{  
    color:rgb(167, 195, 234)  
}
```

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(167, 195, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 195, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 22.451, 268.298 is called "border". The border property can be set on classes, ids or directly on the HTML element.

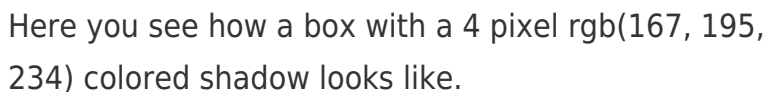
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 195, 234) }
```

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

```
.border{ border-color:rgb(167, 195, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 195, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 195, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 195, 234); box-shadow:4px 4px 4px 4px rgb(167, 195, 234) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 22.451, 268.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 195, 234) }
```

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

```
.background{ background-color: rgb(167,  
195, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor