

Converting Colors

CIELCh(76, 14.041, 258.286)

Have a look what the booklet for
CIELCh(76, 14.041, 258.286)
contains.

CIELCh(76, 13.820, 258.427)	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(76, 13.820, 258.427)

Conversions

Conversions Part 1

Format	Color
Hex	A8BED4
RGB	168, 190, 212
RGB Percent	66%, 75%, 83%
CMY	0.3413, 0.2550, 0.1687
CMYK	0.21, 0.10, 0.00, 0.17
HSL	210°, 34%, 74%
HSV	210°, 21%, 83%
XYZ	46.4287, 49.8872, 69.4488
YIQ	185.9300, -20.1740, 2.1780

Conversions

Conversions Part 2

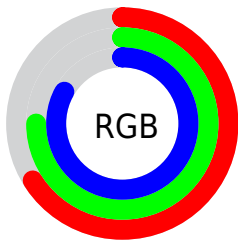
Format	Color
RYB	168, 183, 212
Decimal	11058900
CIELab	76.00, -2.77, -13.54
CIELCh	76, 13.820, 258.427
Yxy	49.8872, 0.2801, 0.3010
Android (android.graphics.Color)	4289248980 (0xFFA8BED4)
YUV	185.9300, 12.8525, -15.7246
Hunter-Lab	70.6309, -6.2684, -8.8561

Details

The CIELCh color `76, 13.820, 258.427` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78, 14.599, 72.837`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `96, 8.669, 231.333`, and `56, 13.599, 256.700` is the 20% darker color. If you saturate the color by 10%, you get `72, 20.343, 260.277`, and if you desaturate by 10%, it is `80, 7.201, 256.879`.

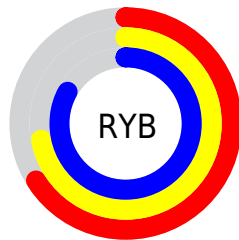
Distribution



Red (66%)

Green (75%)

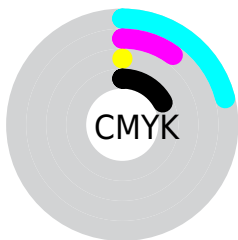
Blue (83%)



Red (66%)

Yellow (72%)

Blue (83%)

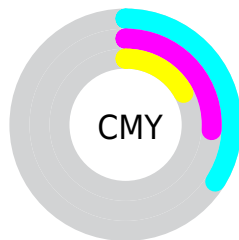


Cyan (21%)

Magenta (10%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (26%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 13.820, 258.427 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 76, 13.820, 258.427 by changing the saturation by 10% instead.

■ 76, 13.820,
258.427

■ 76, 13.820,
258.427

■ 100, 13.820,
258.427

■ 66, 13.820,
258.427

■ 96, 13.820,
258.427

■ 56, 13.820,
258.427

■ 46, 13.820,
258.427

■ 36, 13.820,
258.427

■ 26, 13.820,
258.427

■ 16, 13.820,
258.427

■ 6, 13.820, 258.427

0, 13.820, 258.427

76, 13.820,
258.427

76, 13.820,
258.427

72, 20.343,
260.277

80, 7.201, 256.879

68, 26.750,
262.492

85, 0.515, 256.248

64, 33.028,
265.127

89, 6.212, 74.315

60, 39.187,
268.234

93, 12.956, 73.385

56, 45.265,
271.838

96, 16.424, 93.081

52, 51.338,
275.913

99, 21.039,
107.118

99, 21.739,
108.531

■ 49, 57.506,
280.351

■ 46, 63.391,
284.511

Harmonies

Complementary

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



76, 13.820, 258.427



78, 14.599, 72.837

Rectangle

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



76, 13.820, 258.427



76, 13.820, 308.427



76, 13.820, 78.427



76, 13.820, 128.427

Sweetspot

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



76, 13.819, 258.421



97, 4.679, 256.272



81, 20.023, 160.968



51, 3.102, 256.351



0, 0.000, 0.000



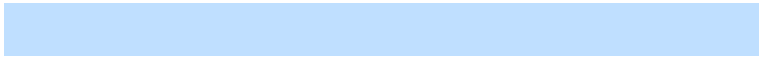
53, 0.007, 296.813

Same Dimension

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



76, 13.819, 258.421



88, 19.283, 259.217



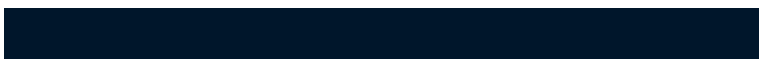
70, 23.695, 291.893



43, 3.835, 256.698



37, 53.186, 283.782



7, 17.194, 272.908

Inverse Universe

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



73, 20.292, 345.466



84, 28.487, 345.927



84, 22.618, 107.475



42, 5.530, 344.389



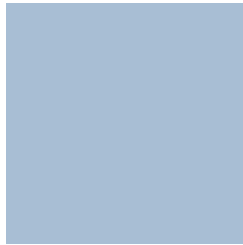
37, 62.806, 1.723



5, 23.529, 354.264

Previews

White Background



This preview shows how the CIELCh color 76, 13.820, 258.427 looks on a white background.

Color Contrast Check

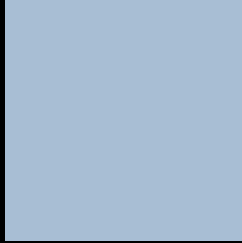
Large Text (above 18pt) WCAG AA × Fail

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 76, 13.820, 258.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

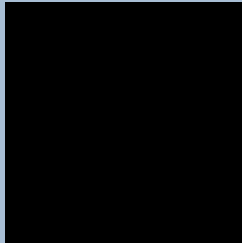
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

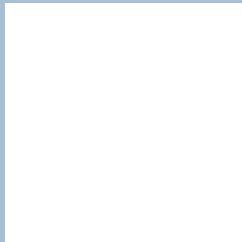
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 13.820, 258.427

Background



This preview shows how black text looks on a background with the CIELCh color 76, 13.820, 258.427.

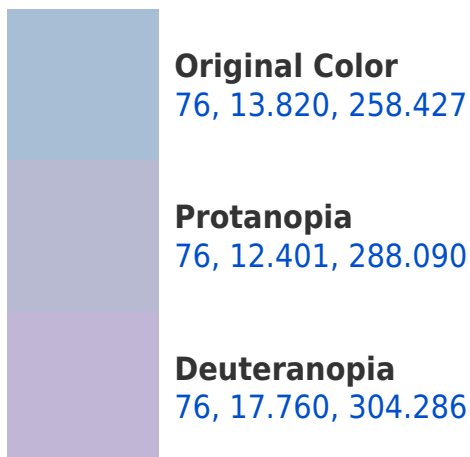


This preview shows how white text looks on a background with the CIELCh color 76, 13.820, 258.427.

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
76, 11.396, 244.291

Trichromacy



Original Color
76, 13.820, 258.427

Protanomaly
76, 12.707, 277.102

Deuteranomaly
76, 15.096, 290.262

Tritanomaly
76, 12.130, 248.198

Monochromacy



Original Color
76, 13.820, 258.427

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 5.140, 256.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 13.820, 258.427 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(168, 190, 212)` looks like.

```
.text, #text, p{  
    color:rgb(168, 190, 212)  
}
```

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(168, 190, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 190, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 13.820, 258.427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

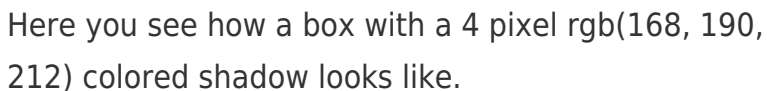
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 190, 212) }
```

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

```
.border{ border-color:rgb(168, 190, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 190, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 190, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 190, 212);  
box-shadow:4px 4px 4px 4px rgb(168, 190,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 13.820, 258.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 190, 212) }
```

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

```
.background{ background-color: rgb(168,  
190, 212) }
```

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