

Converting Colors

CIELCh(80, 17.061, 252.467)

Have a look what the booklet for
CIELCh(80, 17.061, 252.467)
contains.

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Color

CIELCh(80, 16.906, 251.186)

Conversions

Conversions Part 1

Format	Color
Hex	AACBE4
RGB	170, 203, 228
RGB Percent	67%, 80%, 89%
CMY	0.3344, 0.2050, 0.1070
CMYK	0.25, 0.11, 0.00, 0.11
HSL	206°, 52%, 78%
HSV	206°, 25%, 89%
XYZ	51.7723, 56.6813, 81.4035
YIQ	195.9830, -27.6930, 0.7790

Conversions

Conversions Part 2

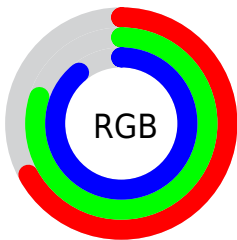
Format	Color
RYB	170, 191, 228
Decimal	11193316
CIELab	80.00, -5.45, -16.00
CIElCh	80, 16.906, 251.186
Yxy	56.6813, 0.2727, 0.2985
Android (android.graphics.Color)	4289383396 (0xFFAACBE4)
YUV	195.9830, 15.7844, -22.7871
Hunter-Lab	75.2870, -9.0039, -11.4060

Details

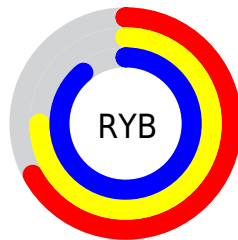
The CIELCh color **80, 16.906, 251.186** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **81, 18.682, 64.770**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.843, 198.851**, and **60, 16.993, 252.059** is the 20% darker color. If you saturate the color by 10%, you get **76, 23.188, 253.113**, and if you desaturate by 10%, it is **84, 10.401, 249.596**.

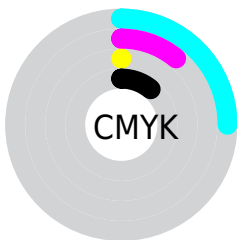
Distribution



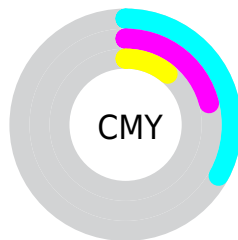
- Red (67%)
- Green (80%)
- Blue (89%)



- Red (67%)
- Yellow (75%)
- Blue (89%)



- Cyan (25%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (33%)
- Magenta (21%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 16.906, 251.186 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 80, 16.906, 251.186 by changing the saturation by 10% instead.


 80, 16.906,
251.186


 80, 16.906,
251.186


 100, 16.906,
251.186


 70, 16.906,
251.186


 60, 16.906,
251.186

 50, 16.906,
251.186

 40, 16.906,
251.186

 30, 16.906,
251.186

 20, 16.906,
251.186

 10, 16.906,

251.186

■ 0, 16.906, 251.186

■ 80, 16.906,
251.186

■ 80, 16.906,
251.186

■ 76, 23.188,
253.113

■ 84, 10.401,
249.596

■ 72, 29.210,
255.455

■ 88, 3.719, 248.346

■ 68, 34.948,
258.279

■ 92, 3.098, 66.963

■ 96, 8.673, 76.459

■ 65, 40.409,
261.647

■ 99, 12.260,
103.787

■ 61, 45.644,
265.587

■ 99, 13.806,
109.134

■ 58, 50.756,
270.063

■ 55, 55.894,
274.935

■ 53, 58.298,
277.128

Harmonies

Complementary

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



80, 16.906, 251.186



81, 18.682, 64.770

Rectangle

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



80, 16.906, 251.186



80, 16.906, 301.186



80, 16.906, 71.186



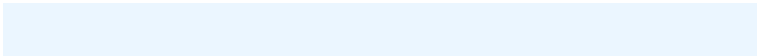
80, 16.906, 121.186

Sweetspot

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



80, 16.905, 251.181



96, 5.948, 248.627



86, 27.361, 157.240



51, 4.220, 248.809



0, 0.000, 0.000



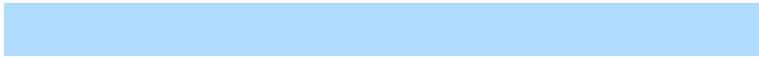
53, 0.007, 296.813

Same Dimension

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



80, 16.905, 251.181



86, 22.368, 252.242



73, 28.925, 289.800



46, 3.871, 248.796



42, 47.912, 276.278



10, 17.607, 267.015

Inverse Universe

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



76, 27.665, 342.243



80, 36.954, 342.808



88, 27.525, 103.931



45, 6.136, 340.810



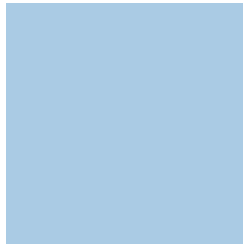
39, 66.064, 355.521



7, 28.417, 349.901

Previews

White Background



This preview shows how the CIELCh color 80, 16.906, 251.186 looks on a white background.

Color Contrast Check

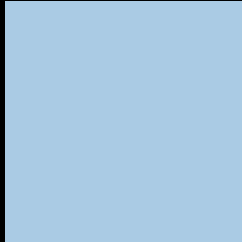
Large Text (above 18pt) WCAG AA × Fail

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 80, 16.906, 251.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

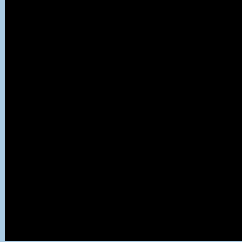
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

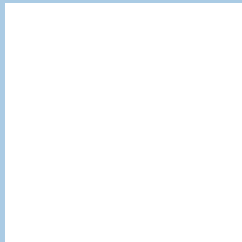
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 16.906, 251.186

Background



This preview shows how black text looks on a background with the CIELCh color 80, 16.906, 251.186.



This preview shows how white text looks on a background with the CIELCh color 80, 16.906, 251.186.

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

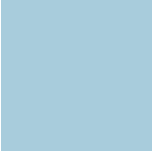
80, 16.906, 251.186

Protanopia

80, 14.942, 288.869

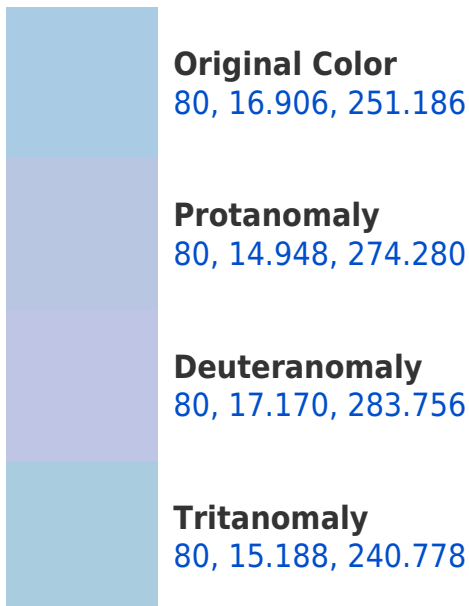
Deuteranopia

80, 20.056, 300.766

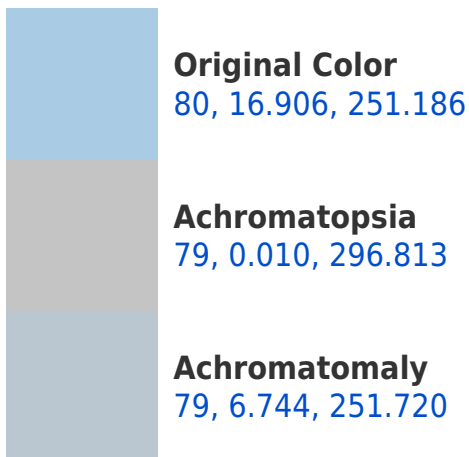


Tritanopia
80, 14.546, 234.772

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 16.906, 251.186 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(170, 203, 228)` looks like.

```
.text, #text, p{  
    color:rgb(170, 203, 228)  
}
```

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(170, 203, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 203, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 16.906, 251.186 is called "border". The border property can be set on classes, ids or directly on the HTML element.

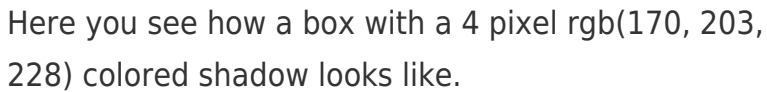
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 203, 228) }
```

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

```
.border{ border-color:rgb(170, 203, 228) }
```

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



Here you see how a box with a 4 pixel rgb(170, 203, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 203, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 203, 228);  
box-shadow:4px 4px 4px 4px rgb(170, 203,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 16.906, 251.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 203, 228) }
```

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

```
.background{ background-color: rgb(170,  
203, 228) }
```

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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