

Converting Colors

CIELCh(80, 11.034, 248.681)

Have a look what the booklet for
CIELCh(80, 11.034, 248.681)
contains.

CIELCh(80, 11.016, 249.997)	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(80, 11.016, 249.997)

Conversions

Conversions Part 1

Format	Color
Hex	B4C9D9
RGB	180, 201, 217
RGB Percent	71%, 79%, 85%
CMY	0.2929, 0.2106, 0.1478
CMYK	0.17, 0.07, 0.00, 0.15
HSL	206°, 33%, 78%
HSV	206°, 17%, 85%
XYZ	52.4154, 56.6813, 74.0348
YIQ	196.5450, -17.6520, 0.5240

Conversions

Conversions Part 2

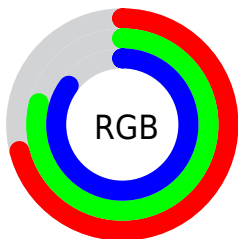
Format	Color
RYB	180, 193, 217
Decimal	11848153
CIELab	80.00, -3.77, -10.35
CIELCh	80, 11.016, 249.997
Yxy	56.6813, 0.2862, 0.3095
Android (android.graphics.Color)	4290038233 (0xFFB4C9D9)
YUV	196.5450, 10.0843, -14.5100
Hunter-Lab	75.2870, -7.4791, -5.6030

Details

The CIELCh color **80, 11.016, 249.997** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 11.734, 65.849**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **60, 10.919, 250.157** is the 20% darker color. If you saturate the color by 10%, you get **76, 17.256, 251.622**, and if you desaturate by 10%, it is **84, 4.599, 248.678**.

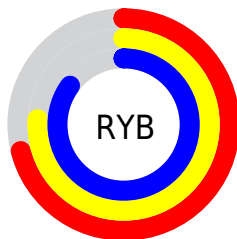
Distribution



Red (71%)

Green (79%)

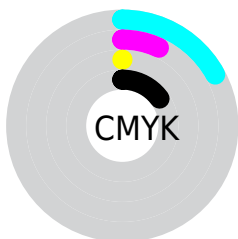
Blue (85%)



Red (71%)

Yellow (76%)

Blue (85%)

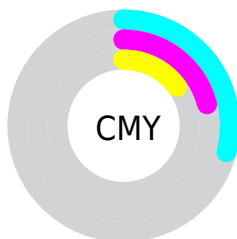


Cyan (17%)

Magenta (7%)

Yellow (0%)

Black (15%)



Cyan (29%)


Magenta (21%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 11.016, 249.997 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, 11.016, 249.997 by changing the saturation by 10% instead.


 80, 11.016,
249.997


 80, 11.016,
249.997


 100, 11.016,
249.997


 70, 11.016,
249.997


 60, 11.016,
249.997

 50, 11.016,
249.997

 40, 11.016,
249.997

 30, 11.016,
249.997

 20, 11.016,
249.997

 10, 11.016,

249.997

0, 11.016, 249.997

80, 11.016,
249.997

80, 11.016,
249.997

76, 17.256,
251.622

84, 4.599, 248.678

72, 23.280,
253.607

88, 1.951, 67.212

92, 8.596, 66.433

68, 29.052,
256.011

95, 12.543, 80.927

65, 34.553,
258.903

97, 15.927,
100.009

61, 39.796,
262.342

99, 19.054,
108.736

■ 58, 44.836,
266.348

■ 55, 49.779,
270.872

■ 52, 54.773,
275.749

■ 51, 56.308,
277.155

Harmonies

Complementary

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



80, 11.016, 249.997



81, 11.734, 65.849

Rectangle

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



80, 11.016, 249.997



80, 11.016, 299.997



80, 11.016, 69.997



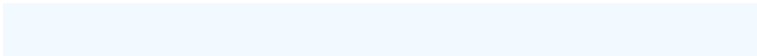
80, 11.016, 119.997

Sweetspot

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



80, 11.015, 249.988



98, 3.734, 248.473



84, 17.642, 158.054



52, 2.545, 248.542



0, 0.000, 0.000



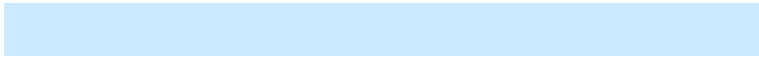
53, 0.007, 296.813

Same Dimension

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



80, 11.015, 249.988



91, 14.672, 250.468



75, 18.326, 288.588



44, 3.732, 248.960



41, 46.942, 276.340



8, 16.263, 265.861

Inverse Universe

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



77, 17.704, 341.535



87, 23.728, 341.817



85, 17.749, 104.829



43, 5.904, 340.877



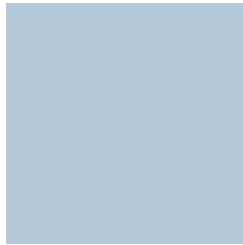
38, 64.649, 355.565



6, 25.874, 349.670

Previews

White Background



This preview shows how the CIELCh color 80, 11.016, 249.997 looks on a white background.

Color Contrast Check

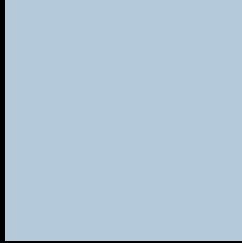
Large Text (above 18pt) WCAG AA × Fail

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, 11.016, 249.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

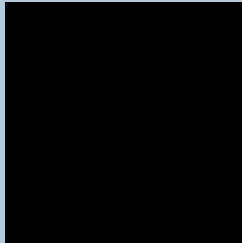
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

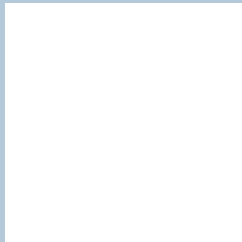
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 11.016, 249.997

Background



This preview shows how black text looks on a background with the CIELCh color 80, 11.016, 249.997.



This preview shows how white text looks on a background with the CIELCh color 80, 11.016, 249.997.

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, 11.016, 249.997

Protanopia
80, 9.066, 290.993

Deuteranopia
80, 14.924, 312.207



Tritanopia
80, 11.016, 249.997

Trichromacy



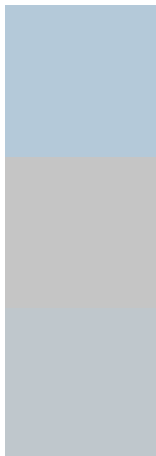
Original Color
80, 11.016, 249.997

Protanomaly
80, 8.916, 272.631

Deuteranomaly
80, 11.771, 294.642

Tritanomaly
80, 11.016, 249.997

Monochromacy



Original Color
80, 11.016, 249.997

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.882, 242.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 11.016, 249.997 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(180, 201, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 201, 217)  
}
```

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(180, 201, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 201, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 11.016, 249.997 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(180, 201, 217) }
```

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

```
.border{ border-color:rgb(180, 201, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 201, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 201, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 201, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 201,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 11.016, 249.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 201, 217) }
```

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

```
.background{ background-color: rgb(180,  
201, 217) }
```

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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