

Converting Colors

CIELCh(80, 7.069, 164.597)

Have a look what the booklet for
CIELCh(80, 7.069, 164.597) contains.

CIELCh(80, 6.950, 166.539)	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, 6.950, 166.539)

Conversions

Conversions Part 1

Format	Color
Hex	BACAC3
RGB	186, 202, 195
RGB Percent	73%, 79%, 76%
CMY	0.2702, 0.2075, 0.2349
CMYK	0.08, 0.00, 0.03, 0.21
HSL	154°, 13%, 76%
HSV	154°, 8%, 79%
XYZ	51.2768, 56.6813, 59.9242
YIQ	196.4180, -7.2890, -5.5690

Conversions

Conversions Part 2

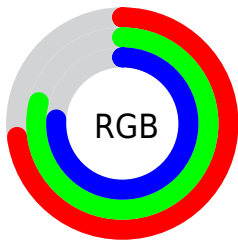
Format	Color
R _Y B	186, 196, 202
Decimal	12241603
CIE Lab	80.00, -6.76, 1.62
CIE LCh	80, 6.950, 166.539
Yxy	56.6813, 0.3054, 0.3376
Android (android.graphics.Color)	4290431683 (0xFFBACAC3)
YUV	196.4180, -0.6991, -9.1366
Hunter-Lab	75.2870, -10.1787, 5.5094

Details

The CIELCh color **80, 6.950, 166.539** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77, 7.051, 347.786**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.777, 180.596**, and **60, 7.045, 164.686** is the 20% darker color. If you saturate the color by 10%, you get **78, 15.694, 165.560**, and if you desaturate by 10%, it is **82, 1.834, 347.091**.

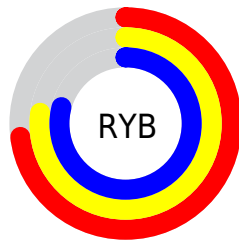
Distribution



Red (73%)

Green (79%)

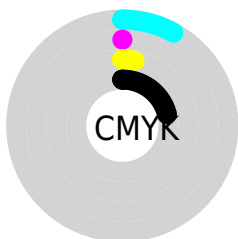
Blue (76%)



Red (73%)

Yellow (77%)

Blue (79%)

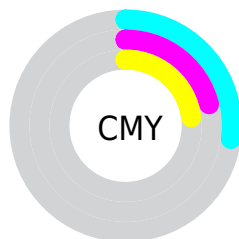


Cyan (8%)

Magenta (0%)

Yellow (3%)

Black (21%)



Cyan (27%)

Magenta (21%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 6.950, 166.539 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, 6.950, 166.539 by changing the saturation by 10% instead.

■ 80, 6.950, 166.539

■ 80, 6.950, 166.539

■ 100, 6.950,
166.539

■ 70, 6.950, 166.539

■ 60, 6.950, 166.539

■ 50, 6.950, 166.539

■ 40, 6.950, 166.539

■ 30, 6.950, 166.539

■ 20, 6.950, 166.539

■ 10, 6.950, 166.539

■ 0, 6.950, 166.539

■ 80, 6.950, 166.539

■ 80, 6.950, 166.539

78, 15.694,
165.560

82, 1.834, 347.091

77, 24.280,
164.516

84, 10.573,
348.074

76, 32.580,
163.359

86, 19.199,
348.824

75, 40.448,
162.065

87, 24.121,
343.511

74, 47.738,
160.608

87, 27.027,
335.602

73, 54.320,
158.963

87, 30.374,
329.414

73, 60.103,
157.111

87, 33.177,
325.579

72, 65.057,
155.047

72, 69.263,

Harmonies

Complementary

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



80, 6.950, 166.539



77, 7.051, 347.786

Rectangle

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



80, 6.950, 166.539



80, 6.950, 216.539



80, 6.950, 346.539



80, 6.950, 36.539

Sweetspot

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



80, 6.952, 166.532



100, 2.115, 167.227



80, 9.124, 130.475



53, 1.202, 167.248



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, 6.952, 166.532



98, 10.601, 166.319



80, 5.450, 203.594



42, 5.018, 166.389



60, 60.081, 152.711



12, 20.131, 158.500

Inverse Universe

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



77, 7.051, 347.786



93, 10.787, 348.004



77, 5.731, 24.047



40, 5.100, 347.932



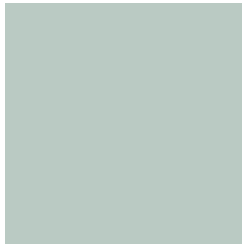
35, 61.162, 7.574



4, 19.364, 357.338

Previews

White Background



This preview shows how the CIELCh color 80, 6.950, 166.539 looks on a white background.

Color Contrast Check

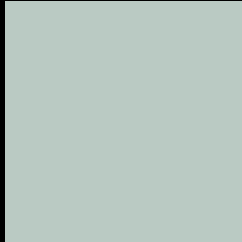
Large Text (above 18pt) WCAG AA × Fail

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, 6.950, 166.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

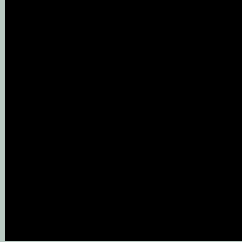
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

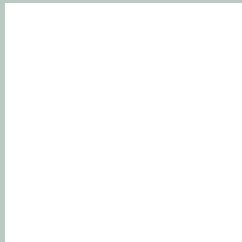
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 6.950, 166.539

Background



This preview shows how black text looks on a background with the CIELCh color 80, 6.950, 166.539.



This preview shows how white text looks on a background with the CIELCh color 80, 6.950, 166.539.

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
80, 9.141, 268.480

Trichromacy



Original Color
80, 6.950, 166.539

Protanomaly
80, 3.273, 122.907

Deuteranomaly
80, 3.703, 19.547

Tritanomaly
80, 5.957, 245.040

Monochromacy



Original Color
80, 6.950, 166.539

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.725, 163.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 6.950, 166.539 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(186, 202, 195)` looks like.

```
.text, #text, p{  
    color:rgb(186, 202, 195)  
}
```

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(186, 202, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 202, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 6.950, 166.539 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(186, 202, 195) }
```

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

```
.border{ border-color:rgb(186, 202, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 202, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 202, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 202, 195);  
box-shadow:4px 4px 4px 4px rgb(186, 202,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 6.950, 166.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 202, 195) }
```

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

```
.background{ background-color: rgb(186,  
202, 195) }
```

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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