

Converting Colors

CIELCh(80, 6.407, 157.569)

Have a look what the booklet for
CIELCh(80, 6.407, 157.569) contains.

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Color

CIELCh(80, 6.416, 157.502)

Conversions

Conversions Part 1

Format	Color
Hex	BDCAC2
RGB	189, 202, 194
RGB Percent	74%, 79%, 76%
CMY	0.2605, 0.2095, 0.2409
CMYK	0.06, 0.00, 0.04, 0.21
HSL	143°, 11%, 77%
HSV	143°, 6%, 79%
XYZ	51.5916, 56.6813, 59.0105
YIQ	197.2010, -5.1800, -5.2440

Conversions

Conversions Part 2

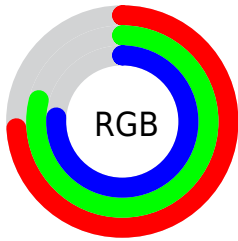
Format	Color
RYB	189, 198, 202
Decimal	12438210
CIELab	80.00, -5.93, 2.46
CIELCh	80, 6.416, 157.502
Yxy	56.6813, 0.3084, 0.3388
Android (android.graphics.Color)	4290628290 (0xFFBDCAC2)
YUV	197.2010, -1.5781, -7.1923
Hunter-Lab	75.2870, -9.4322, 6.2289

Details

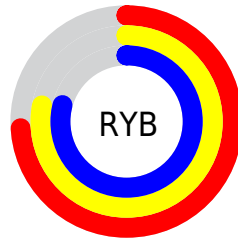
The CIELCh color `80, 6.416, 157.502` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78, 6.459, 338.335`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.338, 163.440`, and `60, 6.520, 155.142` is the 20% darker color. If you saturate the color by 10%, you get `78, 16.424, 156.646`, and if you desaturate by 10%, it is `82, 3.526, 338.062`.

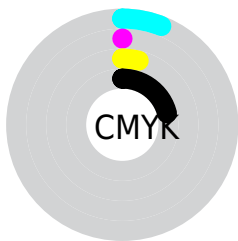
Distribution



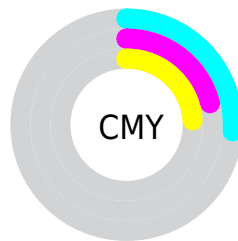
- Red (74%)
- Green (79%)
- Blue (76%)



- Red (74%)
- Yellow (78%)
- Blue (79%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (21%)



- Cyan (26%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 6.416, 157.502 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, 6.416, 157.502 by changing the saturation by 10% instead.

■ 80, 6.416, 157.502

■ 80, 6.416, 157.502

■ 100, 6.416,
157.502

■ 70, 6.416, 157.502

■ 60, 6.416, 157.502

■ 50, 6.416, 157.502

■ 40, 6.416, 157.502

■ 30, 6.416, 157.502

■ 20, 6.416, 157.502

■ 10, 6.416, 157.502

■ 0, 6.416, 157.502

■ 80, 6.416, 157.502

■ 80, 6.416, 157.502

78, 16.424,
156.646

82, 3.526, 338.062

77, 26.380,
155.712

84, 13.320,
338.788

75, 36.142,
154.654

86, 22.903,
339.386

74, 45.548,
153.445

87, 28.779,
332.627

73, 54.420,
152.063

87, 33.506,
325.590

73, 62.584,
150.488

72, 69.895,
148.711

72, 76.262,
146.744

71, 81.672,

144.634

Harmonies

Complementary

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



80, 6.416, 157.502



78, 6.459, 338.335

Rectangle

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



80, 6.416, 157.502



80, 6.416, 207.502



80, 6.416, 337.502



80, 6.416, 27.502

Sweetspot

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



80, 6.418, 157.498



100, 2.398, 157.955



80, 7.148, 124.585



53, 1.363, 157.972



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, 6.418, 157.498



98, 9.645, 157.357



80, 4.768, 189.401



42, 5.709, 157.249



59, 71.623, 144.241



12, 23.337, 150.918

Inverse Universe

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



78, 6.459, 338.335



95, 9.712, 338.472



78, 4.923, 10.230



40, 5.752, 338.577



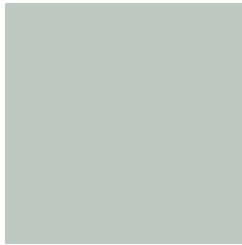
36, 63.850, 351.318



4, 21.339, 346.136

Previews

White Background



This preview shows how the CIELCh color 80, 6.416, 157.502 looks on a white background.

Color Contrast Check

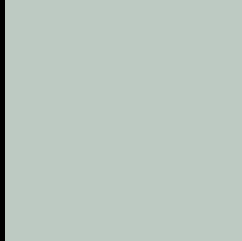
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 6.416, 157.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

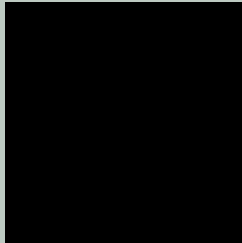
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

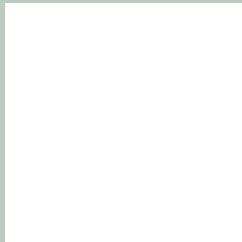
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 6.416, 157.502

Background



This preview shows how black text looks on a background with the CIELCh color 80, 6.416, 157.502.



This preview shows how white text looks on a background with the CIELCh color 80, 6.416, 157.502.

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, 6.416, 157.502

Protanopia

80, 3.875, 74.611

Deuteranopia

80, 9.954, 7.879



Tritanopia
80, 8.745, 277.000

Trichromacy



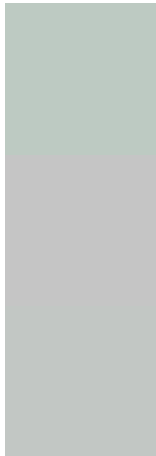
Original Color
80, 6.416, 157.502

Protanomaly
80, 3.733, 115.518

Deuteranomaly
80, 4.456, 19.633

Tritanomaly
80, 5.084, 256.480

Monochromacy



Original Color
80, 6.416, 157.502

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.438, 158.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 6.416, 157.502 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(189, 202, 194)` looks like.

```
.text, #text, p{  
    color:rgb(189, 202, 194)  
}
```

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(189, 202, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 202, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 6.416, 157.502 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(189, 202, 194) }
```

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

```
.border{ border-color:rgb(189, 202, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 202, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 202, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 202, 194);  
box-shadow:4px 4px 4px 4px rgb(189, 202,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 6.416, 157.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 202, 194) }
```

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

```
.background{ background-color: rgb(189,  
202, 194) }
```

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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