

Converting Colors

CIELCh(80, 7.747, 145.880)

Have a look what the booklet for
CIELCh(80, 7.747, 145.880) contains.

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Color

CIELCh(80, 8.016, 146.240)

Conversions

Conversions Part 1

Format	Color
Hex	BDCABE
RGB	189, 202, 190
RGB Percent	74%, 79%, 75%
CMY	0.2594, 0.2084, 0.2555
CMYK	0.06, 0.00, 0.06, 0.21
HSL	125°, 11%, 77%
HSV	125°, 6%, 79%
XYZ	51.3126, 56.6813, 56.8662
YIQ	196.7450, -3.8960, -6.4880

Conversions

Conversions Part 2

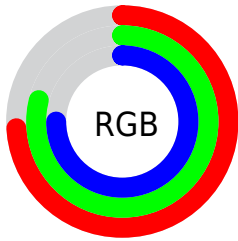
Format	Color
RYB	189, 201, 202
Decimal	12438206
CIELab	80.00, -6.66, 4.45
CIELCh	80, 8.016, 146.240
Yxy	56.6813, 0.3112, 0.3438
Android (android.graphics.Color)	4290628286 (0xFFBDCABE)
YUV	196.7450, -3.3253, -6.7924
Hunter-Lab	75.2870, -10.0938, 7.9176

Details

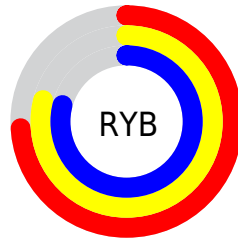
The CIELCh color `80, 8.016, 146.240` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78, 8.037, 326.914`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 5.793, 147.099`, and `60, 7.813, 146.328` is the 20% darker color. If you saturate the color by 10%, you get `78, 20.592, 145.547`, and if you desaturate by 10%, it is `82, 4.406, 326.714`.

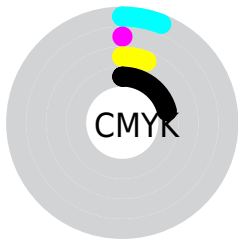
Distribution



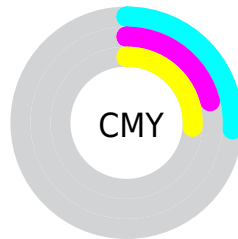
- Red (74%)
- Green (79%)
- Blue (75%)



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



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




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.016, 146.240 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, 8.016, 146.240 by changing the saturation by 10% instead.

 80, 8.016, 146.240

 80, 8.016, 146.240

 100, 8.016,
146.240

 70, 8.016, 146.240

 60, 8.016, 146.240


 50, 8.016, 146.240

 40, 8.016, 146.240

 30, 8.016, 146.240

 20, 8.016, 146.240

 10, 8.016, 146.240

 0, 8.016, 146.240

 80, 8.016, 146.240

 80, 8.016, 146.240

78, 20.592,
145.547

82, 4.406, 326.714

77, 33.164,
144.756

84, 16.575,
327.248

75, 45.535,
143.838

87, 28.419,
327.673

74, 57.447,
142.787

87, 33.332,
325.584

73, 68.589,
141.607

72, 78.600,
140.332

72, 87.085,
139.031

71, 93.645,
137.816

71, 97.974,

136.830

Harmonies

Complementary

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



80, 8.016, 146.240



78, 8.037, 326.914

Rectangle

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



80, 8.016, 146.240



80, 8.016, 196.240



80, 8.016, 326.240



80, 8.016, 16.240

Sweetspot

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



80, 8.018, 146.240



100, 2.993, 146.580



81, 6.889, 112.248



53, 1.701, 146.591



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, 8.018, 146.240



98, 12.056, 146.128



80, 5.632, 166.928



42, 7.139, 146.041



59, 85.264, 136.733



12, 27.628, 144.205

Inverse Universe

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



78, 8.037, 326.914



95, 12.081, 327.016



78, 5.702, 347.892



40, 7.152, 327.093



39, 78.847, 331.523



5, 27.295, 330.137

Previews

White Background



This preview shows how the CIELCh color 80, 8.016, 146.240 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, 8.016, 146.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

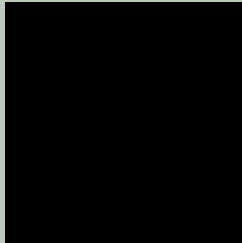
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

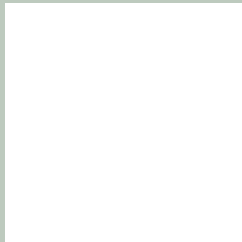
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 8.016, 146.240

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.016, 146.240.



This preview shows how white text looks on a background with the CIELCh color 80, 8.016, 146.240.

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

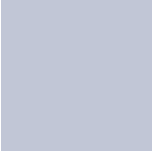
80, 8.016, 146.240

Protanopia

80, 5.909, 83.233

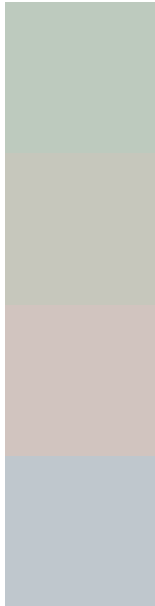
Deuteranopia

80, 10.564, 20.196



Tritanopia
80, 8.675, 279.249

Trichromacy



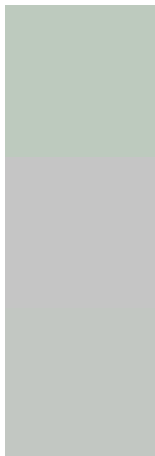
Original Color
80, 8.016, 146.240

Protanomaly
80, 5.850, 113.297

Deuteranomaly
80, 5.535, 48.241

Tritanomaly
80, 4.254, 248.199

Monochromacy



Original Color
80, 8.016, 146.240

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.244, 144.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.016, 146.240 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(189, 202, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 202, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.016, 146.240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

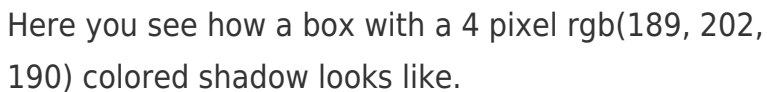
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 202, 190) }
```

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

```
.border{ border-color:rgb(189, 202, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 202, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 202, 190); box-shadow:4px 4px 4px 4px rgb(189, 202, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.016, 146.240 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, 190) }
```

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

```
.background{ background-color: rgb(189,  
202, 190) }
```

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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