

Converting Colors

CIELCh(80, 8.558, 168.290)

Have a look what the booklet for
CIELCh(80, 8.558, 168.290) contains.

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Color

CIELCh(80, 8.458, 168.588)

Conversions

Conversions Part 1

Format	Color
Hex	B7CBC3
RGB	183, 203, 195
RGB Percent	72%, 80%, 76%
CMY	0.2826, 0.2041, 0.2355
CMYK	0.10, 0.00, 0.04, 0.20
HSL	156°, 16%, 76%
HSV	156°, 10%, 80%
XYZ	50.7001, 56.6813, 59.8631
YIQ	196.1080, -9.3520, -6.7280

Conversions

Conversions Part 2

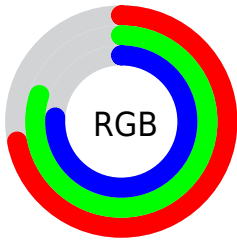
Format	Color
R _Y B	183, 196, 203
Decimal	12045251
CIE Lab	80.00, -8.29, 1.67
CIE LCh	80, 8.458, 168.588
Yxy	56.6813, 0.3031, 0.3389
Android (android.graphics.Color)	4290235331 (0xFFB7CBC3)
YUV	196.1080, -0.5462, -11.4957
Hunter-Lab	75.2870, -11.5460, 5.5575

Details

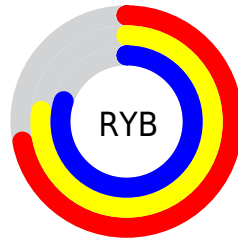
The CIELCh color `80, 8.458, 168.588` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `76, 8.628, 350.252`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 5.760, 183.761`, and `60, 8.627, 167.066` is the 20% darker color. If you saturate the color by 10%, you get `78, 16.962, 167.585`, and if you desaturate by 10%, it is `82, 0.130, 345.987`.

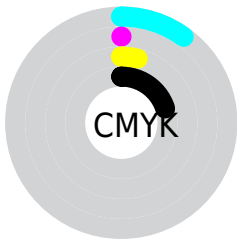
Distribution



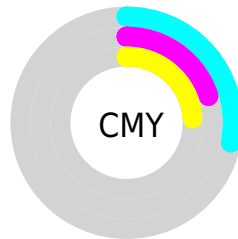
- Red (72%)
- Green (80%)
- Blue (76%)



- Red (72%)
- Yellow (77%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.458, 168.588 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, 8.458, 168.588 by changing the saturation by 10% instead.

80, 8.458, 168.588

80, 8.458, 168.588

100, 8.458,
168.588

70, 8.458, 168.588

60, 8.458, 168.588

50, 8.458, 168.588

40, 8.458, 168.588

30, 8.458, 168.588

20, 8.458, 168.588

10, 8.458, 168.588

0, 8.458, 168.588

80, 8.458, 168.588

80, 8.458, 168.588

78, 16.962,
167.585

82, 0.130, 345.987

77, 25.261,
166.510

84, 8.713, 350.192

76, 33.223,
165.322

86, 17.215,
350.985

75, 40.705,
163.999

87, 22.756,
347.150

74, 47.568,
162.512

87, 25.204,
338.999

73, 53.692,
160.839

87, 28.097,
332.477

73, 59.003,
158.961

87, 31.307,
327.304

73, 63.493,
156.871

88, 32.646,
325.560

72, 67.317,

154.641

Harmonies

Complementary

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



80, 8.458, 168.588



76, 8.628, 350.252

Rectangle

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



80, 8.458, 168.588



80, 8.458, 218.588



80, 8.458, 348.588



80, 8.458, 38.588

Sweetspot

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



80, 8.460, 168.582



99, 3.098, 169.315



80, 11.498, 131.522



53, 2.350, 169.208



0, 0.000, 0.000



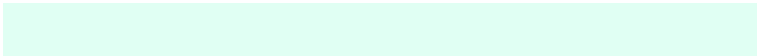
53, 0.007, 296.813

Same Dimension

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



80, 8.460, 168.582



98, 12.389, 168.356



80, 6.566, 206.801



42, 4.890, 168.627



60, 57.574, 154.973



12, 19.409, 160.687

Inverse Universe

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



76, 8.628, 350.252



92, 12.689, 350.486



76, 6.998, 27.201



40, 4.983, 350.206



35, 61.381, 11.194



4, 19.091, 359.528

Previews

White Background



This preview shows how the CIELCh color 80, 8.458, 168.588 looks on a white background.

Color Contrast Check

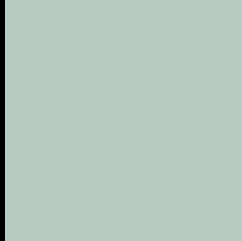
Large Text (above 18pt) WCAG AA × Fail

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, 8.458, 168.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

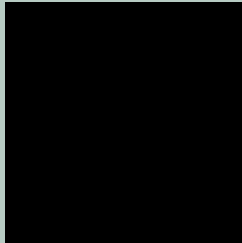
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

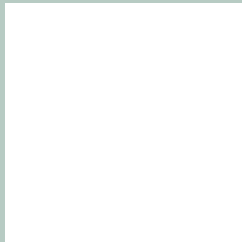
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 8.458, 168.588

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.458, 168.588.



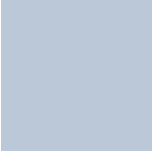
This preview shows how white text looks on a background with the CIELCh color 80, 8.458, 168.588.

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, 9.708, 260.891

Trichromacy



Original Color
80, 8.458, 168.588

Protanomaly
80, 3.380, 128.974

Deuteranomaly
80, 3.330, 19.502

Tritanomaly
80, 6.697, 233.040

Monochromacy



Original Color
80, 8.458, 168.588

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 3.342, 170.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.458, 168.588 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(183, 203, 195)` looks like.

```
.text, #text, p{  
    color:rgb(183, 203, 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(183, 203, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 203, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.458, 168.588 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(183, 203, 195) }
```

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

```
.border{ border-color:rgb(183, 203, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 203, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 203, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 203, 195);  
box-shadow:4px 4px 4px 4px rgb(183, 203,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.458, 168.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 203, 195) }
```

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

```
.background{ background-color: rgb(183,  
203, 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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