

Converting Colors

CIELCh(80, 3.916, 164.398)

Have a look what the booklet for
CIELCh(80, 3.916, 164.398) contains.

CIELCh(80, 3.633, 163.438)	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, 3.633, 163.438)

Conversions

Conversions Part 1

Format	Color
Hex	C0C8C4
RGB	192, 200, 196
RGB Percent	75%, 78%, 77%
CMY	0.2460, 0.2146, 0.2303
CMYK	0.04, 0.00, 0.02, 0.21
HSL	150°, 7%, 77%
HSV	150°, 4%, 79%
XYZ	52.5252, 56.6813, 60.5651
YIQ	197.1520, -3.4840, -2.9400

Conversions

Conversions Part 2

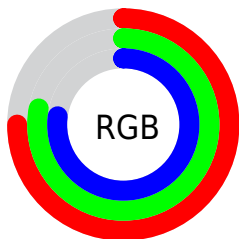
Format	Color
RYB	192, 197, 200
Decimal	12634308
CIELab	80.00, -3.48, 1.04
CIELCh	80, 3.633, 163.438
Yxy	56.6813, 0.3094, 0.3339
Android (android.graphics.Color)	4290824388 (0xFFC0C8C4)
YUV	197.1520, -0.5679, -4.5183
Hunter-Lab	75.2870, -7.2189, 5.0047

Details

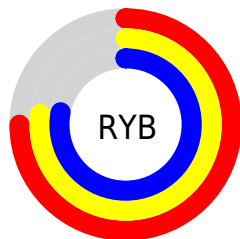
The CIELCh color **80, 3.633, 163.438** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 3.665, 343.854**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.647, 176.925**, and **60, 3.548, 159.721** is the 20% darker color. If you saturate the color by 10%, you get **78, 12.754, 162.480**, and if you desaturate by 10%, it is **82, 5.454, 344.028**.

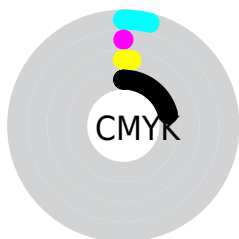
Distribution



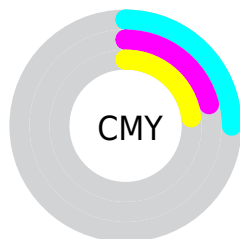
- Red (75%)
- Green (78%)
- Blue (77%)



- Red (75%)
- Yellow (77%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (25%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.633, 163.438 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, 3.633, 163.438 by changing the saturation by 10% instead.

■ 80, 3.633, 163.438

■ 80, 3.633, 163.438

■ 100, 3.633,
163.438

■ 70, 3.633, 163.438

■ 60, 3.633, 163.438

■ 50, 3.633, 163.438

■ 40, 3.633, 163.438

■ 30, 3.633, 163.438

■ 20, 3.633, 163.438

■ 10, 3.633, 163.438

■ 0, 3.633, 163.438

■ 80, 3.633, 163.438

■ 80, 3.633, 163.438

78, 12.754,
162.480

82, 5.454, 344.028

77, 21.801,
161.504

84, 14.434,
344.793

76, 30.649,
160.419

86, 23.246,
345.467

74, 39.154,
159.199

86, 27.113,
337.573

73, 47.161,
157.819

87, 30.805,
330.404

73, 54.521,
156.254

87, 34.315,
325.618

72, 61.115,
154.485

72, 66.871,
152.503

71, 71.794,

Harmonies

Complementary

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



80, 3.633, 163.438



79, 3.665, 343.854

Rectangle

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



80, 3.633, 163.438



80, 3.633, 213.438



80, 3.633, 343.438



80, 3.633, 33.438

Sweetspot

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



80, 3.635, 163.427



100, 1.099, 164.001



80, 4.493, 128.334



53, 0.625, 164.028



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, 3.635, 163.427



99, 5.535, 163.314



80, 2.899, 197.970



42, 3.079, 163.259



59, 63.478, 149.367



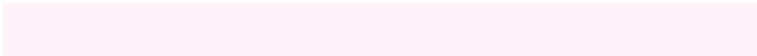
11, 20.058, 155.903

Inverse Universe

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



79, 3.665, 343.854



97, 5.584, 343.967



78, 2.971, 18.089



40, 3.108, 344.022



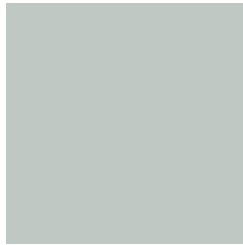
35, 60.738, 1.543



4, 17.859, 352.971

Previews

White Background



This preview shows how the CIELCh color 80, 3.633, 163.438 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, 3.633, 163.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

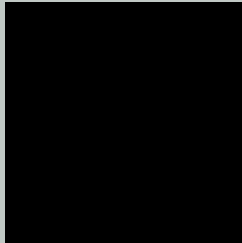
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

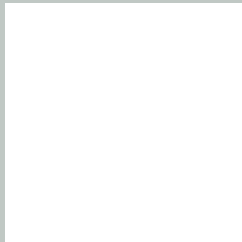
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.633, 163.438

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.633, 163.438.



This preview shows how white text looks on a background with the CIELCh color 80, 3.633, 163.438.

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

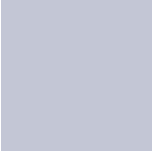
80, 3.633, 163.438

Protanopia

80, 2.119, 49.341

Deuteranopia

80, 9.845, 1.312



Tritanopia
80, 8.046, 283.328

Trichromacy



Original Color
80, 3.633, 163.438

Protanomaly
80, 1.586, 109.994

Deuteranomaly
80, 4.938, 7.274

Tritanomaly
80, 4.595, 267.679

Monochromacy



Original Color
80, 3.633, 163.438

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.220, 173.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.633, 163.438 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(192, 200, 196)` looks like.

```
.text, #text, p{  
    color:rgb(192, 200, 196)  
}
```

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(192, 200, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 200, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.633, 163.438 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(192, 200, 196) }
```

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

```
.border{ border-color:rgb(192, 200, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 200, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 200, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 200, 196);  
box-shadow:4px 4px 4px 4px rgb(192, 200,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.633, 163.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 200, 196) }
```

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

```
.background{ background-color: rgb(192,  
200, 196) }
```

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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