

Converting Colors

CIELCh(80, 2.583, 143.989)

Have a look what the booklet for
CIELCh(80, 2.583, 143.989) contains.

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Color

CIELCh(80, 2.400, 137.291)

Conversions

Conversions Part 1

Format	Color
Hex	C4C7C3
RGB	196, 199, 195
RGB Percent	77%, 78%, 76%
CMY	0.2304, 0.2186, 0.2343
CMYK	0.02, 0.00, 0.02, 0.22
HSL	105°, 3%, 77%
HSV	105°, 2%, 78%
XYZ	53.1880, 56.6813, 59.9132
YIQ	197.6470, -0.5040, -1.8800

Conversions

Conversions Part 2

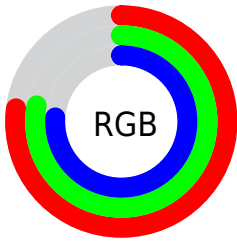
Format	Color
RYB	195, 199, 198
Decimal	12896195
CIELab	80.00, -1.76, 1.63
CIELCh	80, 2.400, 137.291
Yxy	56.6813, 0.3133, 0.3338
Android (android.graphics.Color)	4291086275 (0xFFC4C7C3)
YUV	197.6470, -1.3050, -1.4444
Hunter-Lab	75.2870, -5.6473, 5.5180

Details

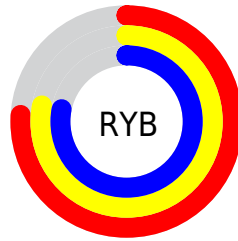
The CIELCh color `80, 2.400, 137.291` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79, 2.423, 317.307`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.673, 134.744`, and `60, 2.548, 137.241` is the 20% darker color. If you saturate the color by 10%, you get `78, 14.472, 136.777`, and if you desaturate by 10%, it is `82, 9.525, 317.595`.

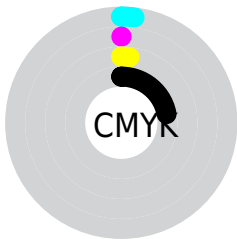
Distribution



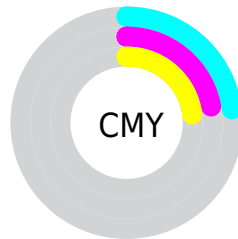
- Red (77%)
- Green (78%)
- Blue (76%)



- Red (76%)
- Yellow (78%)
- Blue (78%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (23%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 2.400, 137.291 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, 2.400, 137.291 by changing the saturation by 10% instead.

■ 80, 2.400, 137.291

■ 80, 2.400, 137.291

■ 100, 2.400,
137.291

■ 70, 2.400, 137.291

■ 60, 2.400, 137.291

■ 50, 2.400, 137.291

■ 40, 2.400, 137.291

■ 30, 2.400, 137.291

■ 20, 2.400, 137.291

■ 10, 2.400, 137.291

■ 0, 2.400, 137.291

■ 80, 2.400, 137.291

■ 80, 2.400, 137.291

78, 14.472,
136.777

82, 9.525, 317.595

77, 26.595,
136.259

84, 21.246,
317.951

76, 38.644,
135.693

85, 32.710,
318.260

74, 50.442,
135.090

87, 34.965,
325.640

73, 61.749,
134.482

73, 72.236,
133.929

72, 81.468,
133.523

71, 88.931,
133.388

71, 94.166,

133.642

Harmonies

Complementary

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



80, 2.400, 137.291



79, 2.423, 317.307

Rectangle

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



80, 2.400, 137.291



80, 2.400, 187.291



80, 2.400, 317.291



80, 2.400, 7.291

Sweetspot

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



80, 2.402, 137.298



100, 1.454, 137.421



80, 1.626, 96.885



53, 0.826, 137.431



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, 2.402, 137.298



100, 2.920, 137.297



80, 2.176, 152.359



42, 1.353, 137.310



59, 83.383, 133.880



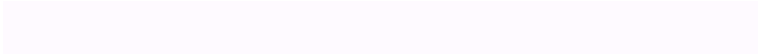
11, 24.802, 138.559

Inverse Universe

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



79, 2.423, 317.307



99, 2.945, 317.308



79, 2.193, 332.321



42, 1.365, 317.295



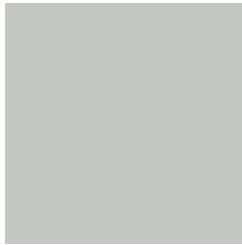
31, 84.965, 319.076



3, 23.974, 316.165

Previews

White Background



This preview shows how the CIELCh color 80, 2.400, 137.291 looks on a white background.

Color Contrast Check

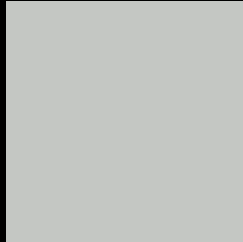
Large Text (above 18pt) WCAG AA × Fail

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, 2.400, 137.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

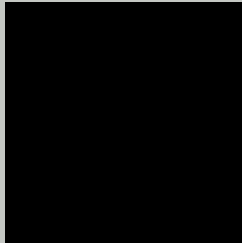
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

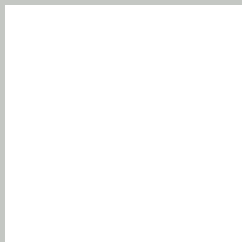
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 2.400, 137.291

Background



This preview shows how black text looks on a background with the CIELCh color 80, 2.400, 137.291.




This preview shows how white text looks on a background with the CIELCh color 80, 2.400, 137.291.

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, 8.042, 295.972

Trichromacy



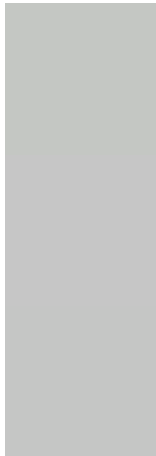
Original Color
80, 2.400, 137.291

Protanomaly
80, 2.381, 82.173

Deuteranomaly
80, 5.603, 14.322

Tritanomaly
80, 4.267, 290.574

Monochromacy



Original Color
80, 2.400, 137.291

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.642, 144.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 2.400, 137.291 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(196, 199, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 199, 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(196, 199, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 199, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 2.400, 137.291 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(196, 199, 195) }
```

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

```
.border{ border-color:rgb(196, 199, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 199, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 199, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 199, 195);  
box-shadow:4px 4px 4px 4px rgb(196, 199,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 2.400, 137.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 199, 195) }
```

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

```
.background{ background-color: rgb(196,  
199, 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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