

Converting Colors

CIELCh(80, 1.909, 234.689)

Have a look what the booklet for
CIELCh(80, 1.909, 234.689) contains.

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Color

CIELCh(80, 1.789, 236.214)

Conversions

Conversions Part 1

Format	Color
Hex	C3C7C9
RGB	195, 199, 201
RGB Percent	76%, 78%, 79%
CMY	0.2352, 0.2195, 0.2117
CMYK	0.03, 0.01, 0.00, 0.21
HSL	200°, 5%, 78%
HSV	200°, 3%, 79%
XYZ	53.4862, 56.6813, 63.3945
YIQ	198.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

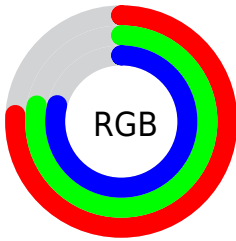
Format	Color
R_{YB}	195, 197, 201
Decimal	12830665
CIE Lab	80.00, -0.99, -1.49
CIE LCh	80, 1.789, 236.214
Yxy	56.6813, 0.3082, 0.3266
Android (android.graphics.Color)	4291020745 (0xFFC3C7C9)
YUV	198.0320, 1.4632, -2.6591
Hunter-Lab	75.2870, -4.9402, 2.7764

Details

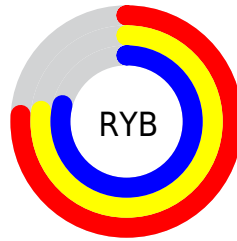
The CIELCh color $80, 1.789, 236.214$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $80, 1.806, 55.125$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 1.042, 199.975$, and $60, 1.891, 236.232$ is the 20% darker color. If you saturate the color by 10%, you get $77, 7.632, 236.886$, and if you desaturate by 10%, it is $83, 4.250, 54.992$.

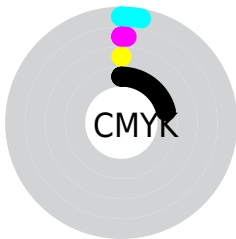
Distribution



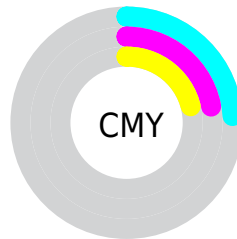
- Red (76%)
- Green (78%)
- Blue (79%)



- Red (76%)
- Yellow (77%)
- Blue (79%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)



- Cyan (24%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.789, 236.214 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, 1.789, 236.214 by changing the saturation by 10% instead.

■ 80, 1.789, 236.214

■ 80, 1.789, 236.214

■ 100, 1.789,
236.214

■ 70, 1.789, 236.214

■ 60, 1.789, 236.214

■ 50, 1.789, 236.214

■ 40, 1.789, 236.214

■ 30, 1.789, 236.214

■ 20, 1.789, 236.214

■ 10, 1.789, 236.214

■ 0, 1.789, 236.214

■ 80, 1.789, 236.214

■ 80, 1.789, 236.214

77, 7.632, 236.886

83, 4.250, 54.992

74, 13.222,
238.045

87, 10.437, 54.444

71, 18.499,
239.514

90, 16.621, 54.205

92, 16.981, 68.317

68, 23.400,
241.356

93, 18.308, 81.042

65, 27.870,
243.651

95, 20.403, 91.532

97, 23.044, 99.775

62, 31.875,
246.485

98, 26.053,
106.152

59, 35.421,
249.937

99, 27.222,
108.111

57, 38.565,
254.051

55, 41.433,
258.796

Harmonies

Complementary

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



80, 1.789, 236.214



80, 1.806, 55.125

Rectangle

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



80, 1.789, 236.214



80, 1.789, 286.214



80, 1.789, 56.214



80, 1.789, 106.214

Sweetspot

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



80, 1.789, 236.146



100, 0.733, 236.507



80, 3.105, 154.875



53, 0.417, 236.544



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, 1.789, 236.146



98, 2.901, 236.166



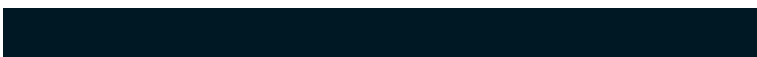
79, 2.646, 281.775



41, 1.679, 236.194



44, 36.866, 261.451



7, 11.662, 250.209

Inverse Universe

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



79, 3.088, 335.736



97, 5.023, 335.840



81, 2.619, 101.001



41, 2.911, 335.895



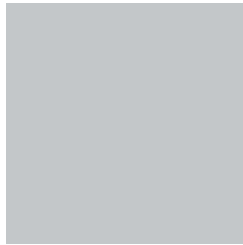
36, 64.911, 347.134



4, 20.013, 342.602

Previews

White Background



This preview shows how the CIELCh color 80, 1.789, 236.214 looks on a white background.

Color Contrast Check

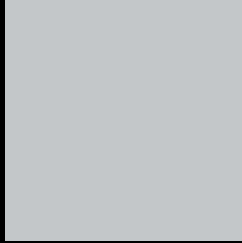
Large Text (above 18pt) WCAG AA × Fail

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, 1.789, 236.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

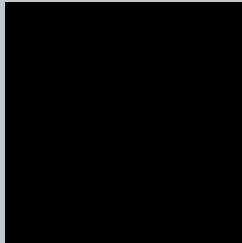
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

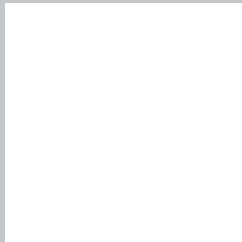
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.789, 236.214

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.789, 236.214.

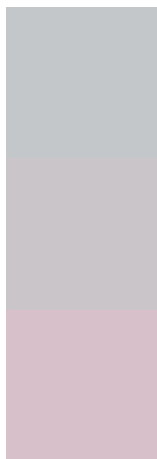


This preview shows how white text looks on a background with the CIELCh color 80, 1.789, 236.214.

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, 1.789, 236.214

Protanopia

80, 2.186, 332.319

Deuteranopia

80, 10.039, 348.231



Tritanopia
80, 8.533, 290.946

Trichromacy



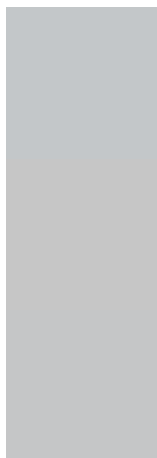
Original Color
80, 1.789, 236.214

Protanomaly
80, 1.139, 309.008

Deuteranomaly
80, 6.082, 342.065

Tritanomaly
80, 5.896, 283.762

Monochromacy



Original Color
80, 1.789, 236.214

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.648, 256.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.789, 236.214 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(195, 199, 201)` looks like.

```
.text, #text, p{  
    color:rgb(195, 199, 201)  
}
```

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(195, 199, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 199, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.789, 236.214 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(195, 199, 201) }
```

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

```
.border{ border-color:rgb(195, 199, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 199, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 199, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 199, 201);  
box-shadow:4px 4px 4px 4px rgb(195, 199,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.789, 236.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 199, 201) }
```

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

```
.background{ background-color: rgb(195,  
199, 201) }
```

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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