

Converting Colors

CIELCh(80, 2.112, 121.682)

Have a look what the booklet for
CIELCh(80, 2.112, 121.682) contains.

CIELCh(80, 2.153, 119.801)	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, 2.153, 119.801)

Conversions

Conversions Part 1

Format	Color
Hex	C6C7C3
RGB	198, 199, 195
RGB Percent	78%, 78%, 76%
CMY	0.2242, 0.2203, 0.2360
CMYK	0.01, 0.00, 0.02, 0.22
HSL	75°, 3%, 77%
HSV	75°, 2%, 78%
XYZ	53.4570, 56.6813, 59.6499
YIQ	198.2450, 0.6880, -1.4560

Conversions

Conversions Part 2

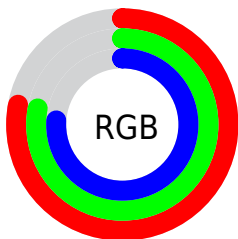
Format	Color
RYB	195, 199, 196
Decimal	13027267
CIELab	80.00, -1.07, 1.87
CIELCh	80, 2.153, 119.801
Yxy	56.6813, 0.3148, 0.3338
Android (android.graphics.Color)	4291217347 (0xFFC6C7C3)
YUV	198.2450, -1.5998, -0.2149
Hunter-Lab	75.2870, -5.0095, 5.7254

Details

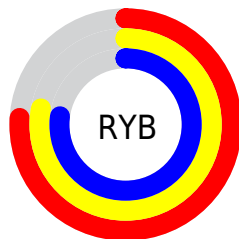
The CIELCh color **80, 2.153, 119.801** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 2.182, 300.045**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.510, 110.014**, and **60, 2.285, 119.756** is the 20% darker color. If you saturate the color by 10%, you get **79, 12.896, 119.196**, and if you desaturate by 10%, it is **81, 8.590, 300.405**.

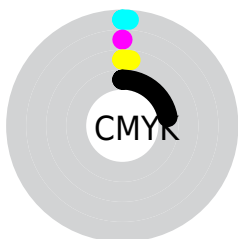
Distribution



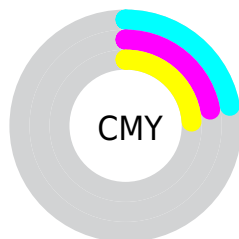
- Red (78%)
- Green (78%)
- Blue (76%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 2.153, 119.801 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, 2.153, 119.801 by changing the saturation by 10% instead.

■ 80, 2.153, 119.801

■ 80, 2.153, 119.801

■ 100, 2.153,
119.801

■ 70, 2.153, 119.801

■ 60, 2.153, 119.801

■ 50, 2.153, 119.801

■ 40, 2.153, 119.801

■ 30, 2.153, 119.801

■ 20, 2.153, 119.801

■ 10, 2.153, 119.801

■ 0, 2.153, 119.801

■ 80, 2.153, 119.801

■ 80, 2.153, 119.801

79, 12.896,
119.196

81, 8.590, 300.405

78, 23.573,
118.562

82, 19.299,
300.972

78, 34.101,
117.933

83, 29.939,
301.503

77, 44.351,
117.333

83, 30.506,
304.533

76, 54.133,
116.802

84, 30.885,
307.596

76, 63.162,
116.397

84, 31.346,
310.608

75, 71.042,
116.199

85, 31.889,
313.555

75, 77.291,
116.306

85, 32.510,
316.424

75, 81.488,

85, 33.206,
319.204

116.816

Harmonies

Complementary

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



80, 2.153, 119.801



79, 2.182, 300.045

Rectangle

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



80, 2.153, 119.801



80, 2.153, 169.801



80, 2.153, 299.801



80, 2.153, 349.801

Sweetspot

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



80, 2.155, 119.827



100, 1.304, 119.902



79, 1.220, 44.899



53, 0.741, 119.906



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, 2.155, 119.827



100, 2.620, 119.826



80, 2.402, 137.291



42, 1.214, 119.836



62, 72.109, 117.289



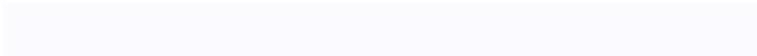
12, 21.050, 120.267

Inverse Universe

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



79, 2.182, 300.045



98, 2.653, 300.046



79, 2.422, 317.300



41, 1.230, 300.035



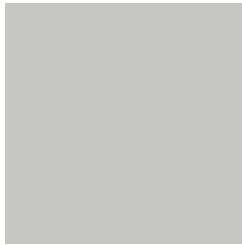
21, 93.634, 307.818



2, 21.733, 298.319

Previews

White Background



This preview shows how the CIELCh color 80, 2.153, 119.801 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, 2.153, 119.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

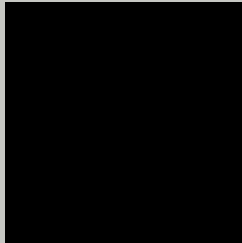
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

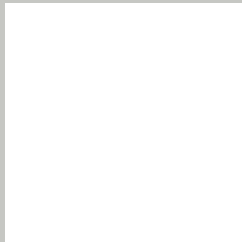
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 2.153, 119.801

Background



This preview shows how black text looks on a background with the CIELCh color 80, 2.153, 119.801.

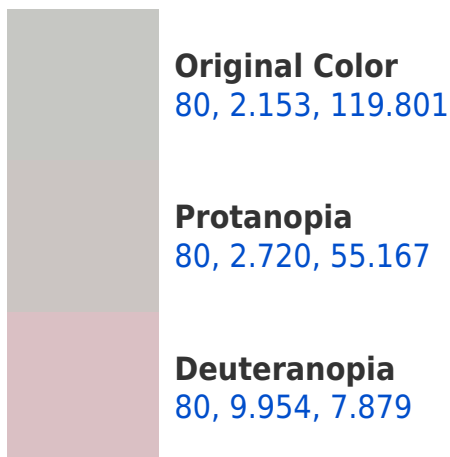



This preview shows how white text looks on a background with the CIELCh color 80, 2.153, 119.801.

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, 8.678, 300.389

Trichromacy



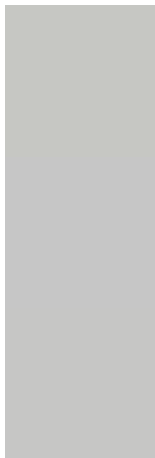
Original Color
80, 2.153, 119.801

Protanomaly
80, 2.381, 82.173

Deuteranomaly
80, 6.417, 10.320

Tritanomaly
80, 4.867, 299.131

Monochromacy



Original Color
80, 2.153, 119.801

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.522, 110.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 2.153, 119.801 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(198, 199, 195)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 199, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 199, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 2.153, 119.801 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(198, 199, 195) }
```

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

```
.border{ border-color:rgb(198, 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(198, 199, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 199, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 199, 195);  
box-shadow:4px 4px 4px 4px rgb(198, 199,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 2.153, 119.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 199, 195) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor