

Converting Colors

CIELCh(78, 2.403, 197.867)

Have a look what the booklet for
CIELCh(78, 2.403, 197.867) contains.

CIELCh(78, 2.188, 199.481)	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(78, 2.188, 199.481)

Conversions

Conversions Part 1

Format	Color
Hex	BCC2C2
RGB	188, 194, 194
RGB Percent	74%, 76%, 76%
CMY	0.2625, 0.2389, 0.2389
CMYK	0.03, 0.00, 0.00, 0.24
HSL	180°, 5%, 75%
HSV	180°, 3%, 76%
XYZ	49.8079, 53.2120, 58.7249
YIQ	192.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

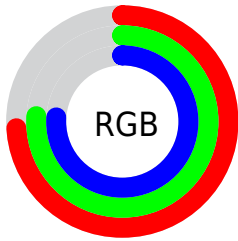
Format	Color
R_{YB}	188, 191, 194
Decimal	12370626
CIE _{Lab}	78.00, -2.06, -0.73
CIE _{LCh}	78, 2.188, 199.481
Yxy	53.2120, 0.3079, 0.3290
Android (android.graphics.Color)	4290560706 (0xFFBCC2C2)
YUV	192.2060, 0.8844, -3.6887
Hunter-Lab	72.9466, -5.7767, 3.3317

Details

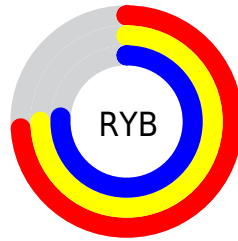
The CIELCh color **78, 2.188, 199.481** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77, 2.233, 19.305**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 2.089, 199.583**, and **58, 1.935, 199.433** is the 20% darker color. If you saturate the color by 10%, you get **77, 9.043, 198.718**, and if you desaturate by 10%, it is **80, 4.987, 19.646**.

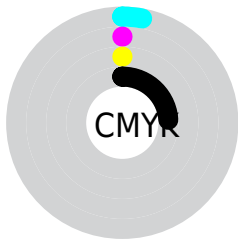
Distribution



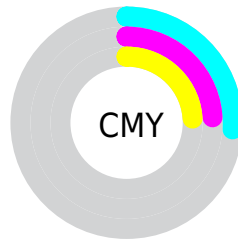
- Red (74%)
- Green (76%)
- Blue (76%)



- Red (74%)
- Yellow (75%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (26%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 2.188, 199.481 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 78, 2.188, 199.481 by changing the saturation by 10% instead.

■ 78, 2.188, 199.481

■ 78, 2.188, 199.481

■ 100, 2.188,
199.481

■ 68, 2.188, 199.481

■ 98, 2.188, 199.481

■ 58, 2.188, 199.481

■ 48, 2.188, 199.481

■ 38, 2.188, 199.481

■ 28, 2.188, 199.481

■ 18, 2.188, 199.481

■ 8, 2.188, 199.481

■ 0, 2.188, 199.481

■ 78, 2.188, 199.481

■ 78, 2.188, 199.481

77, 9.043, 198.718

80, 4.987, 19.646

75, 15.468,
198.202

81, 12.393, 20.300

74, 21.352,
197.750

83, 19.949, 20.923

73, 26.582,
197.357

84, 23.371, 21.197

73, 31.057,
197.026

84, 23.370, 21.170

72, 34.695,
196.760

84, 23.369, 21.157

72, 37.455,
196.558

84, 23.368, 21.131

71, 39.339,
196.420

71, 40.410,
196.338

Harmonies

Complementary

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



78, 2.188, 199.481



77, 2.233, 19.305

Rectangle

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



78, 2.188, 199.481



78, 2.188, 249.481



78, 2.188, 19.481



78, 2.188, 69.481

Sweetspot

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



78, 2.189, 199.436



99, 0.879, 200.052



78, 3.897, 143.895



53, 0.504, 200.094



0, 0.000, 0.000



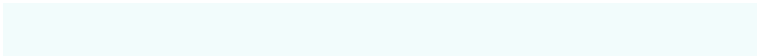
53, 0.007, 296.813

Same Dimension

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



78, 2.189, 199.436



98, 3.497, 199.325



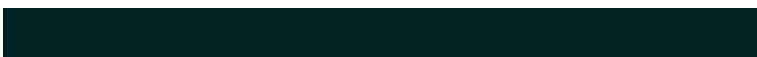
77, 1.915, 254.157



41, 1.997, 199.266



60, 35.488, 196.305



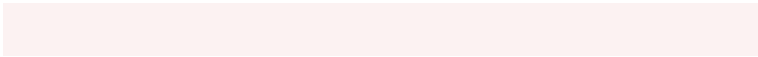
11, 12.447, 196.330

Inverse Universe

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



77, 2.233, 19.305



96, 3.587, 19.422



77, 1.918, 73.034



40, 2.056, 19.485



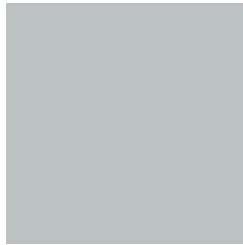
33, 73.706, 39.702



3, 13.999, 19.376

Previews

White Background



This preview shows how the CIE LCh color 78, 2.188, 199.481 looks on a white background.

Color Contrast Check

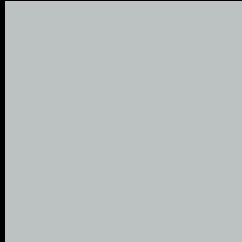
Large Text (above 18pt) WCAG AA × Fail

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 78, 2.188, 199.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

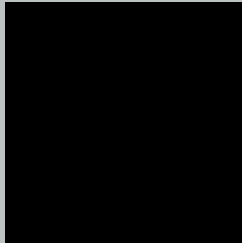
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

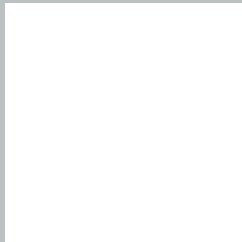
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 2.188, 199.481

Background



This preview shows how black text looks on a background with the CIELCh color 78, 2.188, 199.481.

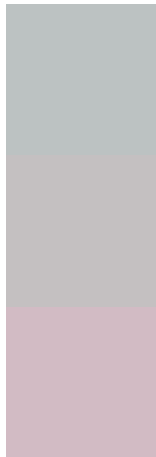


This preview shows how white text looks on a background with the CIELCh color 78, 2.188, 199.481.

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

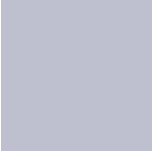
78, 2.188, 199.481

Protanopia

78, 1.579, 359.395

Deuteranopia

78, 9.824, 350.915



Tritanopia
78, 8.059, 285.858

Trichromacy



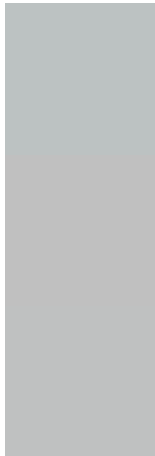
Original Color
78, 2.188, 199.481

Protanomaly
78, 0.009, 296.813

Deuteranomaly
78, 5.203, 348.838

Tritanomaly
78, 5.009, 273.971

Monochromacy



Original Color
78, 2.188, 199.481

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 0.732, 200.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 2.188, 199.481 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(188, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(188, 194, 194)  
}
```

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(188, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 194, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 2.188, 199.481 is called "border". The border property can be set on classes, ids or directly on the HTML element.

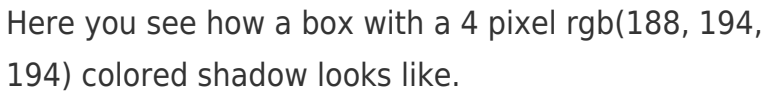
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 194, 194) }
```

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

```
.border{ border-color:rgb(188, 194, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 194, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 194, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 194, 194); box-shadow:4px 4px 4px 4px rgb(188, 194, 194) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 2.188, 199.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 194, 194) }
```

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

```
.background{ background-color: rgb(188,  
194, 194) }
```

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