

Converting Colors

CIELCh(78, 0.709, 200.110)

Have a look what the booklet for
CIELCh(78, 0.709, 200.110) contains.

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Color

CIELCh(78, 0.732, 200.082)

Conversions

Conversions Part 1

Format	Color
Hex	BFC1C1
RGB	191, 193, 193
RGB Percent	75%, 76%, 76%
CMY	0.2500, 0.2422, 0.2422
CMYK	0.01, 0.00, 0.00, 0.24
HSL	180°, 2%, 75%
HSV	180°, 1%, 76%
XYZ	50.3194, 53.2120, 58.2088
YIQ	192.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

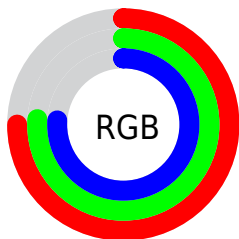
Format	Color
RYB	191, 192, 193
Decimal	12566977
CIELab	78.00, -0.69, -0.25
CIELCh	78, 0.732, 200.082
Yxy	53.2120, 0.3111, 0.3290
Android (android.graphics.Color)	4290757057 (0xFFBFC1C1)
YUV	192.4020, 0.2948, -1.2296
Hunter-Lab	72.9466, -4.5251, 3.7512

Details

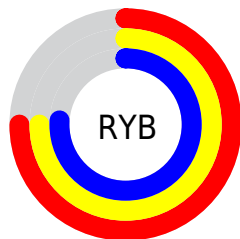
The CIELCh color $78, 0.732, 200.082$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $78, 0.740, 18.607$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $98, 0.698, 200.292$, and $58, 0.777, 199.874$ is the 20% darker color. If you saturate the color by 10%, you get $77, 7.638, 198.740$, and if you desaturate by 10%, it is $80, 6.472, 19.701$.

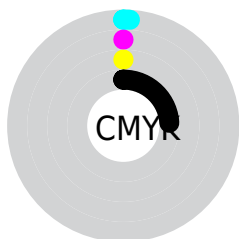
Distribution



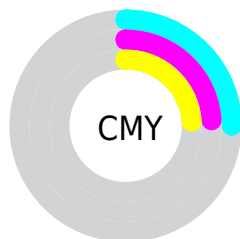
- Red (75%)
- Green (76%)
- Blue (76%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (25%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 0.732, 200.082 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, 0.732, 200.082 by changing the saturation by 10% instead.

■ 78, 0.732, 200.082

■ 78, 0.732, 200.082

■ 100, 0.732,
200.082

■ 68, 0.732, 200.082

■ 98, 0.732, 200.082

■ 58, 0.732, 200.082

■ 48, 0.732, 200.082

■ 38, 0.732, 200.082

■ 28, 0.732, 200.082

■ 18, 0.732, 200.082

■ 8, 0.732, 200.082

■ 0, 0.732, 200.082

■ 78, 0.732, 200.082

■ 78, 0.732, 200.082

77, 7.638, 198.740

80, 6.472, 19.701

75, 14.140,
198.204

81, 13.888, 20.340

74, 20.126,
197.735

83, 21.438, 20.966

73, 25.485,
197.325

84, 23.716, 21.126

73, 30.111,
196.974

84, 23.713, 21.047

72, 33.919,
196.687

84, 23.711, 21.007

72, 36.856,
196.463

84, 23.708, 20.928

71, 38.917,
196.300

71, 40.148,
196.194

Harmonies

Complementary

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



78, 0.732, 200.082



78, 0.740, 18.607

Rectangle

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



78, 0.732, 200.082



78, 0.732, 250.082



78, 0.732, 20.082



78, 0.732, 70.082

Sweetspot

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



78, 0.733, 199.945



99, 0.012, 296.813



78, 1.293, 144.135



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



78, 0.733, 199.945



99, 0.879, 199.960



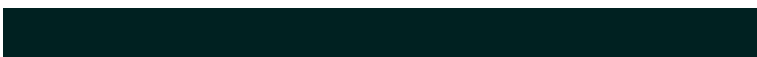
78, 0.645, 254.288



41, 0.402, 200.028



60, 35.516, 196.138



11, 12.454, 196.203

Inverse Universe

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



78, 0.740, 18.607



98, 0.887, 18.592



78, 0.633, 72.884



41, 0.406, 18.525



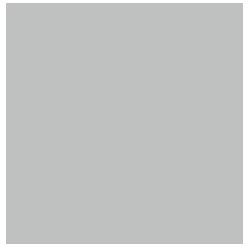
33, 73.662, 39.658



3, 14.000, 19.315

Previews

White Background



This preview shows how the CIELCh color 78, 0.732, 200.082 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, 0.732, 200.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

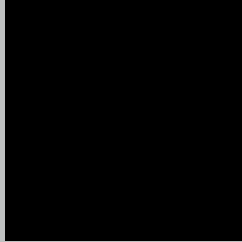
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

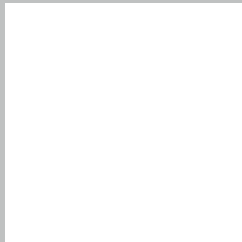
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 0.732, 200.082

Background



This preview shows how black text looks on a background with the CIELCh color 78, 0.732, 200.082.

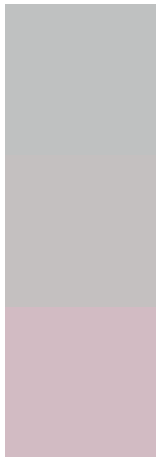


This preview shows how white text looks on a background with the CIELCh color 78, 0.732, 200.082.

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, 0.732, 200.082

Protanopia

78, 1.479, 19.161

Deuteranopia

78, 9.584, 353.717



Tritanopia
78, 8.088, 295.988

Trichromacy



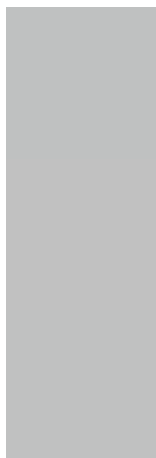
Original Color
78, 0.732, 200.082

Protanomaly
78, 0.739, 18.739

Deuteranomaly
78, 5.859, 352.677

Tritanomaly
78, 4.827, 290.631

Monochromacy



Original Color
78, 0.732, 200.082

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 0.366, 200.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 0.732, 200.082 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(191, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(191, 193, 193)  
}
```

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(191, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 193, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 0.732, 200.082 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(191, 193, 193) }
```

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

```
.border{ border-color:rgb(191, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(191, 193,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 0.732, 200.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 193, 193) }
```

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

```
.background{ background-color: rgb(191,  
193, 193) }
```

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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