

Converting Colors

CIELCh(78, 1.855, 293.675)

Have a look what the booklet for
CIELCh(78, 1.855, 293.675) contains.

CIELCh(78, 1.613, 290.364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(78, 1.613, 290.364)

Conversions

Conversions Part 1

Format	Color
Hex	C1C1C4
RGB	193, 193, 196
RGB Percent	76%, 76%, 77%
CMY	0.2447, 0.2447, 0.2330
CMYK	0.02, 0.02, 0.00, 0.23
HSL	240°, 2%, 76%
HSV	240°, 2%, 77%
XYZ	50.7869, 53.2120, 59.5758
YIQ	193.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

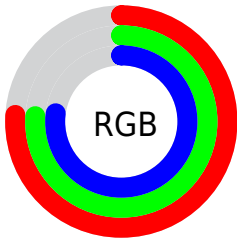
Format	Color
RYB	193, 193, 196
Decimal	12698052
CIELab	78.00, 0.56, -1.51
CIElCh	78, 1.613, 290.364
Yxy	53.2120, 0.3105, 0.3253
Android (android.graphics.Color)	4290888132 (0xFFC1C1C4)
YUV	193.3420, 1.3104, -0.2999
Hunter-Lab	72.9466, -3.3811, 2.6402

Details

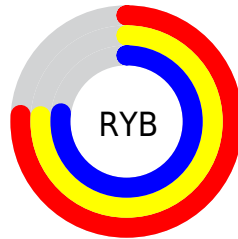
The CIELCh color **78, 1.613, 290.364** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 1.587, 109.950**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 2.050, 290.369**, and **58, 1.142, 290.353** is the 20% darker color. If you saturate the color by 10%, you get **71, 12.304, 291.342**, and if you desaturate by 10%, it is **85, 8.670, 109.379**.

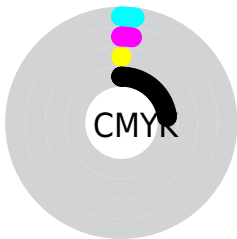
Distribution



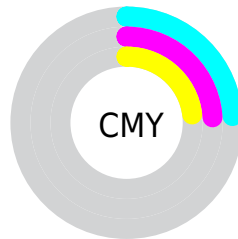
- Red (76%)
- Green (76%)
- Blue (77%)



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



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)



- Cyan (24%)
- Magenta (24%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 1.613, 290.364 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, 1.613, 290.364 by changing the saturation by 10% instead.

■ 78, 1.613, 290.364

■ 78, 1.613, 290.364

■ 100, 1.613,
290.364

■ 68, 1.613, 290.364

■ 98, 1.613, 290.364

■ 58, 1.613, 290.364

■ 48, 1.613, 290.364

■ 38, 1.613, 290.364

■ 28, 1.613, 290.364

■ 18, 1.613, 290.364

■ 8, 1.613, 290.364

■ 0, 1.613, 290.364

■ 78, 1.613, 290.364

■ 78, 1.613, 290.364

71, 12.304,
291.342

85, 8.670, 109.379

65, 23.441,
292.584

91, 18.571,
108.621

58, 35.058,
294.047

97, 28.119,
107.970

52, 47.174,
295.753

99, 29.931,
107.902

45, 59.762,
297.703

39, 72.654,
299.851

33, 85.358,
302.058

28, 96.786,
304.066

25, 105.216,

Harmonies

Complementary

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



78, 1.613, 290.364



79, 1.587, 109.950

Rectangle

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



78, 1.613, 290.364



78, 1.613, 340.364



78, 1.613, 110.364



78, 1.613, 160.364

Sweetspot

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



78, 1.611, 290.321

100, 0.012, 296.813



79, 1.095, 198.420



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, 1.611, 290.321



98, 2.606, 290.360



78, 1.705, 308.486



40, 1.182, 290.347



18, 94.670, 306.272



1, 19.464, 291.106

Inverse Universe

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



78, 1.107, 18.918



99, 1.795, 19.068



79, 1.683, 128.483



40, 0.814, 19.027



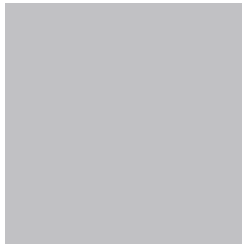
33, 73.684, 39.680



3, 14.000, 19.345

Previews

White Background



This preview shows how the CIELCh color 78, 1.613, 290.364 looks on a white background.

Color Contrast Check

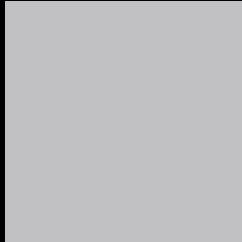
Large Text (above 18pt) WCAG AA × Fail

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, 1.613, 290.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

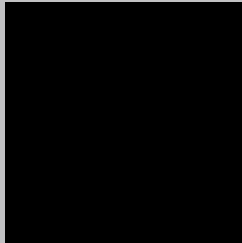
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

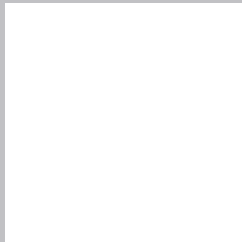
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 1.613, 290.364

Background



This preview shows how black text looks on a background with the CIELCh color 78, 1.613, 290.364.

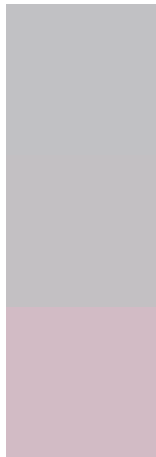


This preview shows how white text looks on a background with the CIELCh color 78, 1.613, 290.364.

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, 1.613, 290.364

Protanopia

78, 1.966, 324.397

Deuteranopia

78, 10.086, 348.255



Tritanopia
78, 8.132, 298.502

Trichromacy



Original Color

78, 1.613, 290.364

Protanomaly

78, 1.782, 314.638

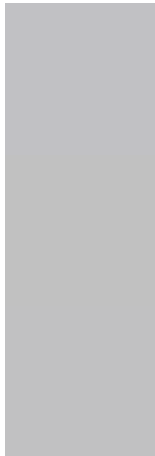
Deuteranomaly

78, 6.717, 346.049

Tritanomaly

78, 5.379, 294.521

Monochromacy



Original Color

78, 1.613, 290.364

Achromatopsia

78, 0.009, 296.813

Achromatomaly

78, 0.544, 290.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 1.613, 290.364 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(193, 193, 196)` looks like.

```
.text, #text, p{  
    color:rgb(193, 193, 196)  
}
```

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(193, 193, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 193, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 1.613, 290.364 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(193, 193, 196) }
```

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

```
.border{ border-color:rgb(193, 193, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 193, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 193, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 193, 196);  
box-shadow:4px 4px 4px 4px rgb(193, 193,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 1.613, 290.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 193, 196) }
```

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

```
.background{ background-color: rgb(193,  
193, 196) }
```

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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