

Converting Colors

CIELCh(78, 16.042, 283.446)

Have a look what the booklet for
CIELCh(78, 16.042, 283.446)
contains.

CIELCh(78, 16.195, 283.153)	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, 16.195, 283.153)

Conversions

Conversions Part 1

Format	Color
Hex	B9C0DE
RGB	185, 192, 222
RGB Percent	73%, 75%, 87%
CMY	0.2750, 0.2475, 0.1299
CMYK	0.17, 0.14, 0.00, 0.13
HSL	229°, 36%, 80%
HSV	229°, 17%, 87%
XYZ	51.9690, 53.2120, 76.5512
YIQ	193.3270, -13.8020, 7.8460

Conversions

Conversions Part 2

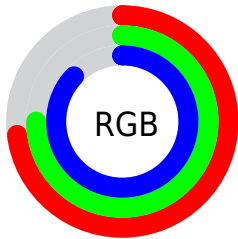
Format	Color
R _Y B	185, 191, 222
Decimal	12173534
CIE Lab	78.00, 3.69, -15.77
CIE LCh	78, 16.195, 283.153
Yxy	53.2120, 0.2860, 0.2928
Android (android.graphics.Color)	4290363614 (0xFFB9C0DE)
YUV	193.3270, 14.1358, -7.3028
Hunter-Lab	72.9466, -0.4884, -11.1572

Details

The CIELCh color `78, 16.195, 283.153` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `86, 15.876, 99.134`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 4.283, 256.218`, and `58, 16.046, 283.104` is the 20% darker color. If you saturate the color by 10%, you get `72, 26.305, 284.694`, and if you desaturate by 10%, it is `84, 6.391, 281.841`.

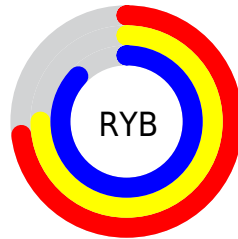
Distribution



Red (73%)

Green (75%)

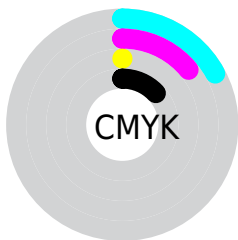
Blue (87%)



Red (73%)

Yellow (75%)

Blue (87%)

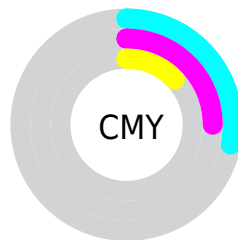


Cyan (17%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (28%)


Magenta (25%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 16.195, 283.153 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, 16.195, 283.153 by changing the saturation by 10% instead.


 78, 16.195,
283.153


 78, 16.195,
283.153


 100, 16.195,
283.153


 68, 16.195,
283.153


 98, 16.195,
283.153

 58, 16.195,
283.153

 48, 16.195,
283.153

 38, 16.195,
283.153

 28, 16.195,
283.153

 18, 16.195,
283.153

 8, 16.195, 283.153

■ 0, 16.195, 283.153

■ 78, 16.195,
283.153

■ 78, 16.195,
283.153

■ 72, 26.305,
284.694

■ 84, 6.391, 281.841

■ 65, 36.755,
286.504

■ 90, 3.124, 100.628

■ 59, 47.576,
288.612

■ 97, 12.370, 99.690

■ 99, 16.754,
108.911

■ 53, 58.792,
291.035

■ 47, 70.387,
293.753

■ 42, 82.218,
296.677

■ 37, 93.867,
299.624

■ 33, 104.486,
302.320

■ 32, 107.617,
303.075

Harmonies

Complementary

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



78, 16.195, 283.153



86, 15.876, 99.134

Rectangle

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



78, 16.195, 283.153



78, 16.195, 333.153



78, 16.195, 103.153



78, 16.195, 153.153

Sweetspot

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



78, 16.193, 283.150



97, 5.350, 281.652



86, 13.551, 181.779



51, 3.653, 281.733



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, 16.193, 283.150



86, 21.858, 283.659



77, 20.339, 302.843



44, 5.508, 282.181



24, 89.350, 302.692



4, 27.526, 291.547

Inverse Universe

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



78, 14.442, 5.686



87, 19.566, 6.100



87, 19.696, 120.843



44, 4.869, 4.886



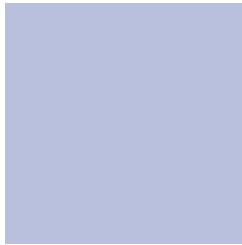
37, 70.719, 30.039



6, 25.281, 12.929

Previews

White Background



This preview shows how the CIELCh color 78, 16.195, 283.153 looks on a white background.

Color Contrast Check

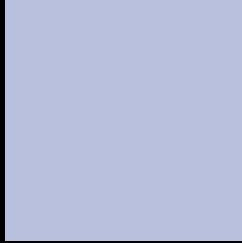
Large Text (above 18pt) WCAG AA × Fail

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, 16.195, 283.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

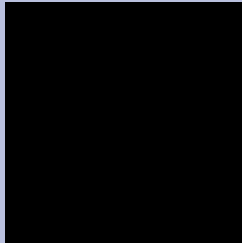
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

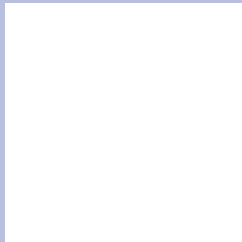
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 16.195, 283.153

Background



This preview shows how black text looks on a background with the CIELCh color 78, 16.195, 283.153.



This preview shows how white text looks on a background with the CIELCh color 78, 16.195, 283.153.

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

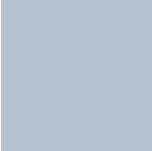
78, 16.195, 283.153

Protanopia

78, 16.113, 286.756

Deuteranopia

78, 19.095, 301.235



Tritanopia
78, 8.832, 265.002

Trichromacy



Original Color
78, 16.195, 283.153

Protanomaly
78, 16.139, 285.551

Deuteranomaly
78, 18.324, 296.131

Tritanomaly
78, 11.606, 275.581

Monochromacy



Original Color
78, 16.195, 283.153

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 5.972, 280.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 16.195, 283.153 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(185, 192, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 192, 222)  
}
```

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(185, 192, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 192, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 16.195, 283.153 is called "border". The border property can be set on classes, ids or directly on the HTML element.

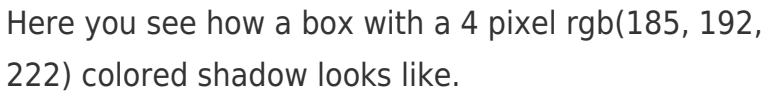
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 192, 222) }
```

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

```
.border{ border-color:rgb(185, 192, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 192, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 192, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 192, 222); box-shadow:4px 4px 4px 4px rgb(185, 192, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 16.195, 283.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 192, 222) }
```

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

```
.background{ background-color: rgb(185,  
192, 222) }
```

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