

Converting Colors

CIELCh(78, 16.235, 269.379)

Have a look what the booklet for
CIELCh(78, 16.235, 269.379)
contains.

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Color

CIELCh(78, 16.502, 270.058)

Conversions

Conversions Part 1

Format	Color
Hex	B0C2DF
RGB	176, 194, 223
RGB Percent	69%, 76%, 87%
CMY	0.3093, 0.2388, 0.1250
CMYK	0.21, 0.13, 0.00, 0.13
HSL	217°, 42%, 78%
HSV	217°, 21%, 87%
XYZ	50.5827, 53.2120, 77.5002
YIQ	191.9240, -20.0370, 5.2030

Conversions

Conversions Part 2

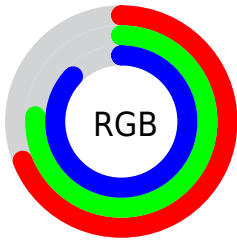
Format	Color
R_{YB}	176, 189, 223
Decimal	11584223
CIE _{Lab}	78.00, 0.02, -16.50
CIE _{LCh}	78, 16.502, 270.058
Yxy	53.2120, 0.2790, 0.2935
Android (android.graphics.Color)	4289774303 (0xFFB0C2DF)
YUV	191.9240, 15.3205, -13.9653
Hunter-Lab	72.9466, -3.8808, -11.9285

Details

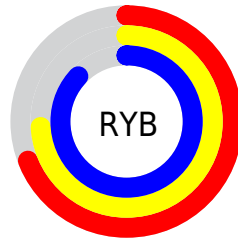
The CIELCh color `78, 16.502, 270.058` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `83, 16.801, 84.212`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 6.608, 221.943`, and `58, 16.367, 269.480` is the 20% darker color. If you saturate the color by 10%, you get `73, 24.437, 271.919`, and if you desaturate by 10%, it is `83, 8.632, 268.476`.

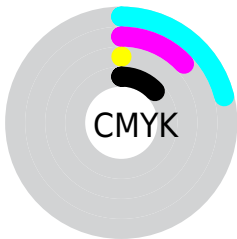
Distribution



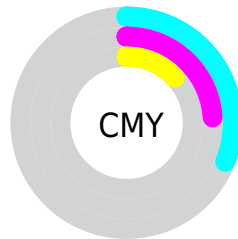
- Red (69%)
- Green (76%)
- Blue (87%)



- Red (69%)
- Yellow (74%)
- Blue (87%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)





- Cyan (31%)
- Magenta (24%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 16.502, 270.058 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, 16.502, 270.058 by changing the saturation by 10% instead.


 78, 16.502,
270.058


 78, 16.502,
270.058


 100, 16.502,
270.058


 68, 16.502,
270.058


 98, 16.502,
270.058

 58, 16.502,
270.058

 48, 16.502,
270.058

 38, 16.502,
270.058

 28, 16.502,
270.058

 18, 16.502,
270.058

 8, 16.502, 270.058

■ 0, 16.502, 270.058

■ 78, 16.502,
270.058

■ 78, 16.502,
270.058

■ 73, 24.437,
271.919

■ 83, 8.632, 268.476

■ 68, 32.444,
274.111

■ 88, 0.836, 267.437

■ 93, 6.881, 85.860

■ 63, 40.536,
276.677

■ 98, 13.401,
100.009

■ 58, 48.744,
279.648

■ 99, 16.127,
108.958

■ 53, 57.116,
283.022

■ 49, 65.700,
286.738

■ 44, 74.502,
290.652

■ 41, 82.480,
294.071

Harmonies

Complementary

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



78, 16.502, 270.058



83, 16.801, 84.212

Rectangle

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



78, 16.502, 270.058



78, 16.502, 320.058



78, 16.502, 90.058



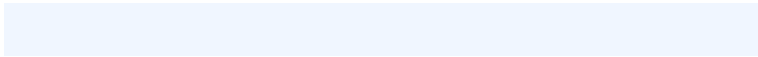
78, 16.502, 140.058

Sweetspot

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



78, 16.501, 270.054



97, 5.208, 267.794



85, 19.184, 168.477



51, 3.455, 267.878



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, 16.501, 270.054



86, 21.861, 270.785



74, 25.625, 296.692



44, 4.447, 268.247



32, 67.915, 293.431



6, 22.637, 283.964

Inverse Universe

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



76, 20.052, 352.538



84, 26.652, 353.024



87, 24.425, 113.087



44, 5.336, 351.287



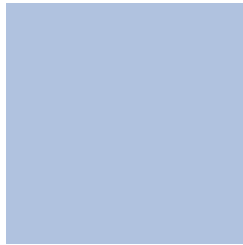
37, 64.395, 13.105



6, 25.609, 2.832

Previews

White Background



This preview shows how the CIELCh color 78, 16.502, 270.058 looks on a white background.

Color Contrast Check

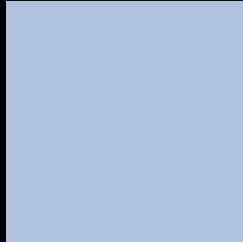
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 78, 16.502, 270.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

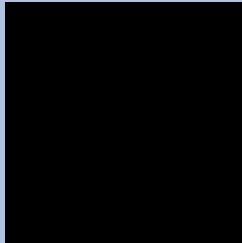
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 16.502, 270.058

Background



This preview shows how black text looks on a background with the CIELCh color 78, 16.502, 270.058.



This preview shows how white text looks on a background with the CIELCh color 78, 16.502, 270.058.

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, 16.502, 270.058

Protanopia

78, 16.113, 286.756

Deuteranopia

78, 19.569, 300.005



Tritanopia
78, 11.272, 248.731

Trichromacy



Original Color
78, 16.502, 270.058

Protanomaly
78, 16.292, 280.801

Deuteranomaly
78, 18.234, 290.758

Tritanomaly
78, 12.988, 259.464

Monochromacy



Original Color
78, 16.502, 270.058

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 5.870, 265.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 16.502, 270.058 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(176, 194, 223)` looks like.

```
.text, #text, p{  
    color:rgb(176, 194, 223)  
}
```

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(176, 194, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 194, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 16.502, 270.058 is called "border". The border property can be set on classes, ids or directly on the HTML element.

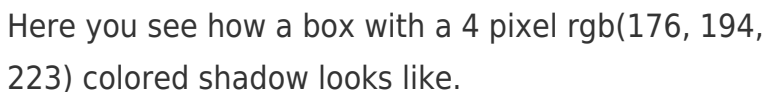
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 194, 223) }
```

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

```
.border{ border-color:rgb(176, 194, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 194, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 194, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 194, 223); box-shadow:4px 4px 4px 4px rgb(176, 194, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 16.502, 270.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 194, 223) }
```

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

```
.background{ background-color: rgb(176,  
194, 223) }
```

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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