

Converting Colors

CIELCh(80, 18.655, 310.250)

Have a look what the booklet for
CIELCh(80, 18.655, 310.250)
contains.

CIELCh(80, 18.672, 310.253)	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(80, 18.672, 310.253)

Conversions

Conversions Part 1

Format	Color
Hex	D1C0E1
RGB	209, 192, 225
RGB Percent	82%, 75%, 88%
CMY	0.1804, 0.2471, 0.1177
CMYK	0.07, 0.15, 0.00, 0.12
HSL	271°, 35%, 82%
HSV	271°, 15%, 88%
XYZ	58.7251, 56.6813, 79.0688
YIQ	200.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

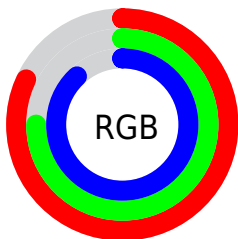
Format	Color
R _Y B	209, 192, 225
Decimal	13746401
CIE Lab	80.00, 12.07, -14.25
CIE LCh	80, 18.672, 310.253
Yxy	56.6813, 0.3020, 0.2915
Android (android.graphics.Color)	4291936481 (0xFFD1C0E1)
YUV	200.8450, 11.9084, 7.1519
Hunter-Lab	75.2870, 7.4807, -9.5674

Details

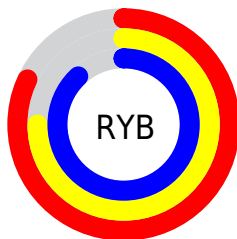
The CIELCh color `80, 18.672, 310.253` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `88, 18.310, 128.947`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 4.358, 324.523`, and `60, 18.455, 309.348` is the 20% darker color. If you saturate the color by 10%, you get `74, 31.813, 310.754`, and if you desaturate by 10%, it is `86, 5.861, 309.774`.

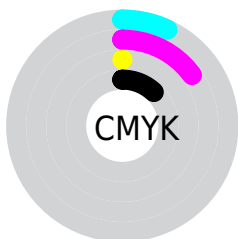
Distribution



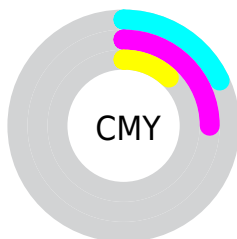
- Red (82%)
- Green (75%)
- Blue (88%)



- Red (82%)
- Yellow (75%)
- Blue (88%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)





- Cyan (18%)
- Magenta (25%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 18.672, 310.253 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 80, 18.672, 310.253 by changing the saturation by 10% instead.


 80, 18.672,
310.253


 80, 18.672,
310.253


 100, 18.672,
310.253


 70, 18.672,
310.253


 60, 18.672,
310.253

 50, 18.672,
310.253

 40, 18.672,
310.253

 30, 18.672,
310.253

 20, 18.672,
310.253

 10, 18.672,

310.253

0, 18.672, 310.253

80, 18.672,
310.253

80, 18.672,
310.253

74, 31.813,
310.754

86, 5.861, 309.774

67, 45.208,
311.280

93, 6.577, 129.397

61, 58.696,
311.809

98, 15.994,
126.489

55, 71.996,
312.305

99, 15.219,
112.290

50, 84.646,
312.710

99, 15.185,
109.030

■ 45, 95.960,
312.941

■ 41, 105.053,
312.891

■ 38, 111.087,
312.451

■ 36, 113.299,
312.102

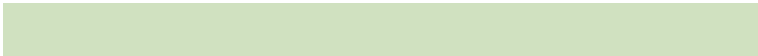
Harmonies

Complementary

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



80, 18.672, 310.253



88, 18.310, 128.947

Rectangle

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



80, 18.672, 310.253



80, 18.672, 0.253



80, 18.672, 130.253



80, 18.672, 180.253

Sweetspot

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



80, 18.670, 310.252



97, 5.558, 309.742



83, 10.284, 257.460



51, 3.953, 309.779



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 18.670, 310.252



87, 25.483, 310.422



81, 21.158, 325.234



44, 7.162, 310.001



28, 94.126, 312.287



4, 33.586, 310.881

Inverse Universe

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



81, 14.816, 345.724



88, 20.202, 346.062



86, 21.136, 143.549



44, 5.688, 345.228



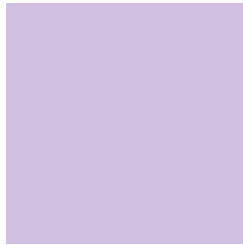
38, 64.041, 3.267



6, 26.285, 355.849

Previews

White Background



This preview shows how the CIELCh color 80, 18.672, 310.253 looks on a white background.

Color Contrast Check

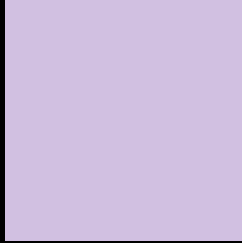
Large Text (above 18pt) WCAG AA × Fail

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 80, 18.672, 310.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

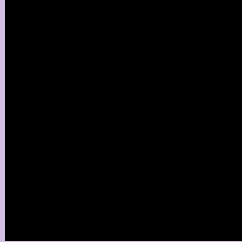
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 18.672, 310.253

Background



This preview shows how black text looks on a background with the CIELCh color 80, 18.672, 310.253.



This preview shows how white text looks on a background with the CIELCh color 80, 18.672, 310.253.

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

80, 18.672, 310.253

Protanopia

80, 16.551, 286.919

Deuteranopia

80, 17.654, 305.355



Tritanopia
80, 9.139, 319.102

Trichromacy



Original Color
80, 18.672, 310.253

Protanomaly
80, 17.157, 296.290

Deuteranomaly
80, 17.741, 306.458

Tritanomaly
80, 12.324, 315.061

Monochromacy



Original Color
80, 18.672, 310.253

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.774, 309.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 18.672, 310.253 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(209, 192, 225)` looks like.

```
.text, #text, p{  
    color:rgb(209, 192, 225)  
}
```

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(209, 192, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 192, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 18.672, 310.253 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(209, 192, 225) }
```

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

```
.border{ border-color:rgb(209, 192, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 192, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 192, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 192, 225);  
box-shadow:4px 4px 4px 4px rgb(209, 192,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 18.672, 310.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 192, 225) }
```

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

```
.background{ background-color: rgb(209,  
192, 225) }
```

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