

Converting Colors

CIELCh(83, 18.567, 304.590)

Have a look what the booklet for
CIELCh(83, 18.567, 304.590)
contains.

CIELCh(83, 18.552, 304.588)	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(83, 18.552, 304.588)

Conversions

Conversions Part 1

Format	Color
Hex	D5C9EB
RGB	213, 201, 235
RGB Percent	84%, 79%, 92%
CMY	0.1633, 0.2103, 0.0770
CMYK	0.09, 0.14, 0.00, 0.08
HSL	261°, 46%, 86%
HSV	261°, 14%, 92%
XYZ	63.5674, 62.1629, 87.5281
YIQ	208.4640, -3.7620, 13.1180

Conversions

Conversions Part 2

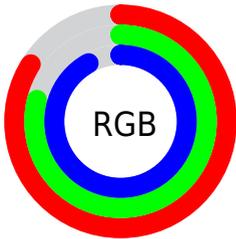
Format	Color
R _Y B	213, 201, 235
Decimal	14010859
CIE Lab	83.00, 10.53, -15.27
CIE LCh	83, 18.552, 304.588
Yxy	62.1629, 0.2981, 0.2915
Android (android.graphics.Color)	4292200939 (0xFFD5C9EB)
YUV	208.4640, 13.0822, 3.9781
Hunter-Lab	78.8435, 5.9392, -10.6304

Details

The CIELCh color **83, 18.552, 304.588** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92, 18.074, 123.010**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 18.446, 304.459** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.916, 305.240**, and if you desaturate by 10%, it is **90, 5.620, 303.996**.

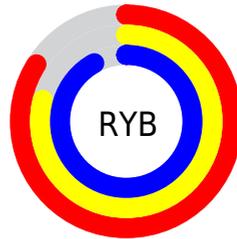
Distribution



Red (84%)

Green (79%)

Blue (92%)



Red (84%)

Yellow (79%)

Blue (92%)

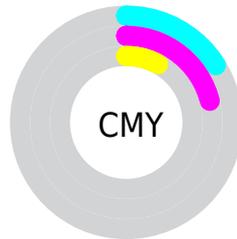


Cyan (9%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (16%)

Magenta (21%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 18.552, 304.588 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 83, 18.552, 304.588 by changing the saturation by 10% instead.

 83, 18.552,
304.588

 83, 18.552,
304.588

 100, 18.552,
304.588

 73, 18.552,
304.588

 63, 18.552,
304.588

 53, 18.552,
304.588

 43, 18.552,
304.588

 33, 18.552,
304.588

 23, 18.552,
304.588

 13, 18.552,

304.588

■ 3, 18.552, 304.588

■ 0, 18.552, 304.588

■ 83, 18.552,
304.588

■ 83, 18.552,
304.588

■ 76, 31.916,
305.240

■ 90, 5.620, 303.996

■ 97, 6.869, 123.511

■ 69, 45.683,
305.962

■ 100, 9.935,
109.425

■ 62, 59.753,
306.738

■ 55, 73.916,
307.537

■ 49, 87.761,

308.297

■ 43, 100.566,
308.919

■ 39, 111.245,
309.256

■ 35, 118.559,
309.143

■ 34, 121.286,
308.928

Harmonies

Complementary

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



83, 18.552, 304.588



92, 18.074, 123.010

Rectangle

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



83, 18.552, 304.588



83, 18.552, 354.588



83, 18.552, 124.588



83, 18.552, 174.588

Sweetspot

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



83, 18.550, 304.586



97, 5.390, 303.972



88, 9.654, 239.283



51, 3.834, 304.015



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 18.550, 304.586



87, 23.393, 304.751



84, 20.690, 320.944



45, 7.214, 304.286



25, 99.441, 309.095



4, 36.914, 306.795

Inverse Universe

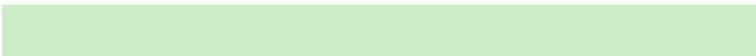
The Inverse Universe completely reimagines the original color for something new.



84, 16.899, 337.548



89, 21.255, 337.757



90, 20.576, 139.562



46, 6.601, 337.156



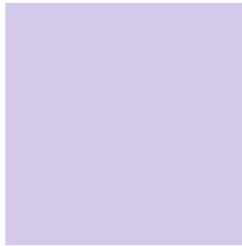
40, 69.193, 348.928



8, 30.549, 344.951

Previews

White Background



This preview shows how the CIELCh color 83, 18.552, 304.588 looks on a white background.

Color Contrast Check

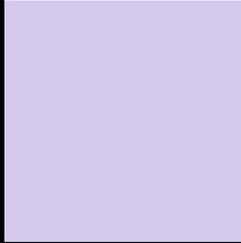
Large Text (above 18pt) WCAG AA × Fail

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 83, 18.552, 304.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

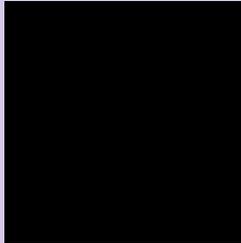
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

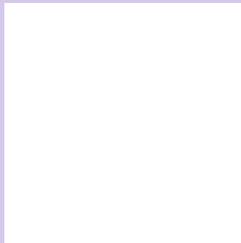
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 18.552, 304.588

Background



This preview shows how black text looks on a background with the CIELCh color 83, 18.552, 304.588.



This preview shows how white text looks on a background with the CIELCh color 83, 18.552, 304.588.

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

83, 18.552, 304.588

Protanopia

83, 17.482, 287.248

Deuteranopia

83, 18.552, 304.588



Tritanopia
83, 8.862, 307.190

Trichromacy



Original Color
83, 18.552, 304.588

Protanomaly
83, 17.478, 292.795

Deuteranomaly
83, 18.552, 304.588

Tritanomaly
83, 12.628, 305.703

Monochromacy



Original Color
83, 18.552, 304.588

Achromatopsia
84, 0.010, 296.813

Achromatomaly
83, 7.125, 305.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 18.552, 304.588 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(213, 201, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 201, 235)  
}
```

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(213, 201, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 201, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 18.552, 304.588 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(213, 201, 235) }
```

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

```
.border{ border-color:rgb(213, 201, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 201, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 201, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 201, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 201,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 18.552, 304.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 201, 235) }
```

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

```
.background{ background-color: rgb(213,  
201, 235) }
```

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