

Converting Colors

CIELCh(85, 93.536, 298.708)

Have a look what the booklet for
CIELCh(85, 93.536, 298.708)
contains.

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Color

CIELCh(80, 34.915, 297.952)

Conversions

Conversions Part 1

Format	Color
Hex	C8BFFF
RGB	200, 191, 255
RGB Percent	78%, 75%, 100%
CMY	0.2165, 0.2519, 0.0000
CMYK	0.22, 0.25, 0.00, 0.00
HSL	248°, 100%, 87%
HSV	248°, 25%, 100%
XYZ	60.5222, 56.6813, 103.0441
YIQ	200.9870, -15.1800, 21.8120

Conversions

Conversions Part 2

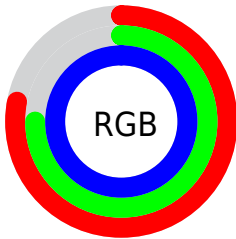
Format	Color
R _Y B	200, 191, 255
Decimal	13156351
CIE Lab	80.00, 16.37, -30.84
CIE LCh	80, 34.915, 297.952
Yxy	56.6813, 0.2748, 0.2574
Android (android.graphics.Color)	4291346431 (0xFFC8BFFF)
YUV	200.9870, 26.6284, -0.8656
Hunter-Lab	75.2870, 11.7417, -28.4484

Details

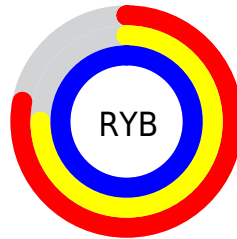
The CIELCh color `80, 34.915, 297.952` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 32.537, 113.750`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 4.981, 324.553`, and `60, 34.070, 297.726` is the 20% darker color. If you saturate the color by 10%, you get `72, 49.156, 299.160`, and if you desaturate by 10%, it is `88, 20.381, 296.966`.

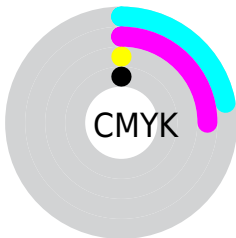
Distribution



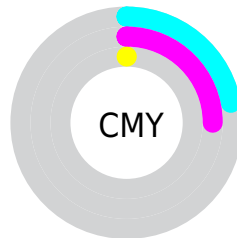
- Red (78%)
- Green (75%)
- Blue (100%)



- Red (78%)
- Yellow (75%)
- Blue (100%)



- Cyan (22%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (25%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 34.915, 297.952 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, 34.915, 297.952 by changing the saturation by 10% instead.


 80, 34.915,
297.952


 80, 34.915,
297.952


 100, 34.915,
297.952


 70, 34.915,
297.952


 60, 34.915,
297.952

 50, 34.915,
297.952

 40, 34.915,
297.952

 30, 34.915,
297.952

 20, 34.915,
297.952

 10, 34.915,

297.952

■ 0, 34.915, 297.952

■ 80, 34.915,
297.952

■ 80, 34.915,
297.952

■ 72, 49.156,
299.160

■ 88, 20.381,
296.966

■ 64, 64.362,
300.493

■ 96, 6.832, 296.091

■ 56, 79.958,
301.960

100, 0.012,
296.813

■ 49, 95.549,
303.492

■ 43, 110.269,
304.942

■ 38, 122.573,
306.075

■ 34, 130.529,
306.629

■ 33, 132.862,
306.731

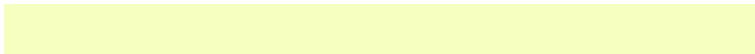
Harmonies

Complementary

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



80, 34.915, 297.952



98, 32.537, 113.750

Rectangle

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



80, 34.915, 297.952



80, 34.915, 347.952



80, 34.915, 117.952



80, 34.915, 167.952

Sweetspot

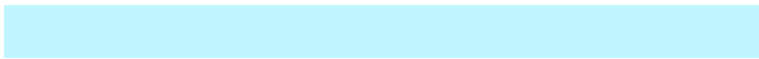
The Sweet Spot groups the original color and five complimentary colors.



80, 34.485, 297.985



94, 10.587, 296.323



94, 18.461, 212.253



49, 7.545, 296.452



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, 34.485, 297.985



76, 41.473, 298.530



83, 36.804, 314.680



49, 7.545, 296.452



24, 106.872, 306.816



4, 44.442, 304.454

Inverse Universe

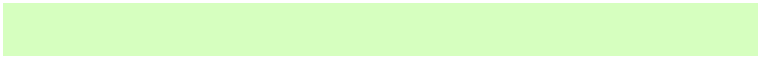
The Inverse Universe completely reimagines the original color for something new.



85, 36.603, 330.059



82, 43.543, 330.362



96, 35.921, 132.436



50, 8.222, 329.076



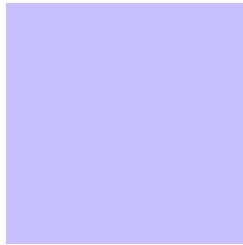
44, 83.376, 334.760



12, 38.863, 333.866

Previews

White Background



This preview shows how the CIELCh color 80, 34.915, 297.952 looks on a white background.

Color Contrast Check

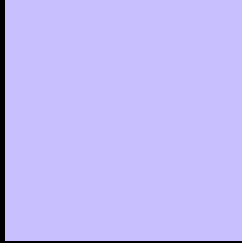
Large Text (above 18pt) WCAG AA × Fail

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 80, 34.915, 297.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

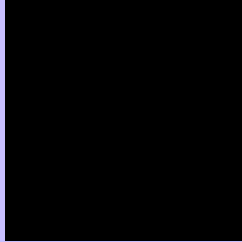
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 34.915, 297.952

Background



This preview shows how black text looks on a background with the CIELCh color 80, 34.915, 297.952.

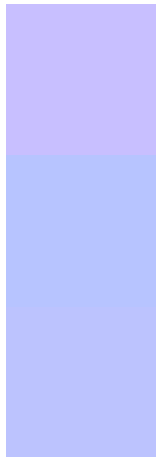


This preview shows how white text looks on a background with the CIELCh color 80, 34.915, 297.952.

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

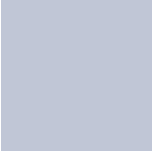
80, 34.355, 297.983

Protanopia

80, 31.585, 285.477

Deuteranopia

80, 31.472, 288.869



Tritanopia
80, 8.745, 277.000

Trichromacy



Original Color
80, 34.355, 297.983

Protanomaly
80, 32.535, 290.223

Deuteranomaly
80, 32.550, 292.460

Tritanomaly
80, 18.149, 291.790

Monochromacy



Original Color
80, 34.355, 297.983

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 12.889, 297.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 34.915, 297.952 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(200, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 191, 255)  
}
```

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(200, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 191, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 34.915, 297.952 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(200, 191, 255) }
```

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

```
.border{ border-color:rgb(200, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 191,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 34.915, 297.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 191, 255) }
```

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

```
.background{ background-color: rgb(200,  
191, 255) }
```

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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