

Converting Colors

CIELCh(80, 35.981, 304.144)

Have a look what the booklet for
CIELCh(80, 35.981, 304.144)
contains.

CIELCh(80, 36.034, 304.168)	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, 36.034, 304.168)

Conversions

Conversions Part 1

Format	Color
Hex	D1BCFE
RGB	209, 188, 254
RGB Percent	82%, 74%, 100%
CMY	0.1804, 0.2627, 0.0039
CMYK	0.18, 0.26, 0.00, 0.00
HSL	259°, 97%, 87%
HSV	259°, 26%, 100%
XYZ	62.1712, 56.6813, 101.4349
YIQ	201.8030, -8.6700, 24.9780

Conversions

Conversions Part 2

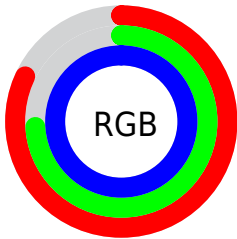
Format	Color
R _Y B	209, 188, 254
Decimal	13745406
CIE Lab	80.00, 20.24, -29.81
CIE LCh	80, 36.034, 304.168
Yxy	56.6813, 0.2822, 0.2573
Android (android.graphics.Color)	4291935486 (0xFFD1BCFE)
YUV	201.8030, 25.7331, 6.3118
Hunter-Lab	75.2870, 15.6513, -27.1811

Details

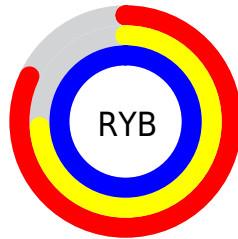
The CIELCh color `80, 36.034, 304.168` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 34.254, 121.003`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 6.851, 324.635`, and `60, 35.768, 304.165` is the 20% darker color. If you saturate the color by 10%, you get `72, 50.727, 304.962`, and if you desaturate by 10%, it is `88, 21.783, 303.452`.

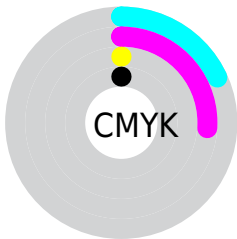
Distribution



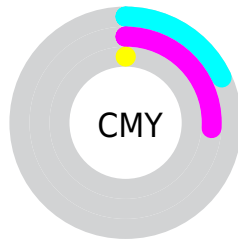
- Red (82%)
- Green (74%)
- Blue (100%)



- Red (82%)
- Yellow (74%)
- Blue (100%)



- Cyan (18%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 36.034, 304.168 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, 36.034, 304.168 by changing the saturation by 10% instead.


 80, 36.034,
304.168


 80, 36.034,
304.168


 100, 36.034,
304.168


 70, 36.034,
304.168

 60, 36.034,
304.168

 50, 36.034,
304.168

 40, 36.034,
304.168

 30, 36.034,
304.168

 20, 36.034,
304.168

 10, 36.034,

304.168

■ 0, 36.034, 304.168

■ 80, 36.034,
304.168

■ 80, 36.034,
304.168

■ 72, 50.727,
304.962

■ 88, 21.783,
303.452

■ 65, 65.762,
305.821

■ 95, 8.016, 302.815

■ 58, 80.900,
306.711

100, 0.492,
109.984

■ 51, 95.663,
307.563

■ 45, 109.202,
308.261

■ 40,120.238,
308.640

■ 37,127.385,
308.524

■ 36,129.367,
308.389

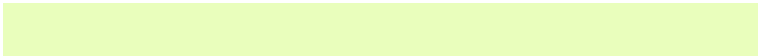
Harmonies

Complementary

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



80, 36.034, 304.168



97, 34.254, 121.003

Rectangle

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



80, 36.034, 304.168



80, 36.034, 354.168



80, 36.034, 124.168



80, 36.034, 174.168

Sweetspot

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



80, 36.032, 304.167



94, 10.789, 302.938



90, 17.867, 236.314



49, 7.687, 303.032



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, 36.032, 304.167



76, 43.492, 304.557



83, 39.464, 320.482



49, 7.687, 303.032



26, 104.292, 308.548



5, 44.785, 308.139

Inverse Universe

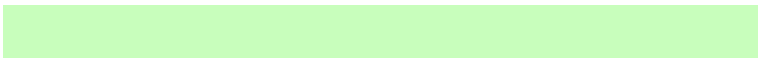
The Inverse Universe completely reimagines the original color for something new.



83, 33.277, 336.944



81, 39.810, 337.360



95, 39.035, 137.929



50, 7.246, 335.664



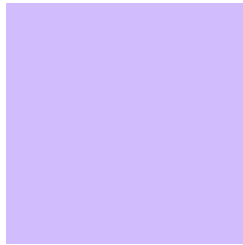
42, 73.479, 346.306



11, 34.639, 343.478

Previews

White Background



This preview shows how the CIELCh color 80, 36.034, 304.168 looks on a white background.

Color Contrast Check

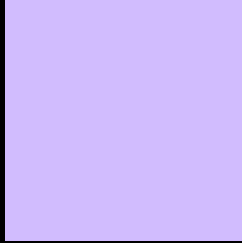
Large Text (above 18pt) WCAG AA × Fail

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, 36.034, 304.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

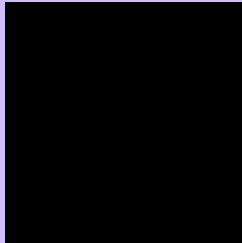
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 36.034, 304.168

Background



This preview shows how black text looks on a background with the CIELCh color 80, 36.034, 304.168.




This preview shows how white text looks on a background with the CIELCh color 80, 36.034, 304.168.

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





Tritanopia
80, 8.315, 305.845

Trichromacy



Original Color
80, 36.034, 304.168

Protanomaly
80, 33.080, 292.514

Deuteranomaly
80, 32.624, 295.281

Tritanomaly
80, 18.689, 304.618

Monochromacy



Original Color
80, 36.034, 304.168

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 13.130, 303.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 36.034, 304.168 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, 188, 254)` looks like.

```
.text, #text, p{  
    color:rgb(209, 188, 254)  
}
```

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, 188, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 188, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 36.034, 304.168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

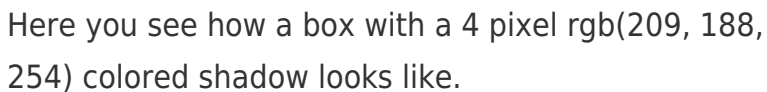
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 188, 254) }
```

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

```
.border{ border-color:rgb(209, 188, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 188, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 188, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 188, 254);  
box-shadow:4px 4px 4px 4px rgb(209, 188,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 36.034, 304.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 188, 254) }
```

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

```
.background{ background-color: rgb(209,  
188, 254) }
```

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