

Converting Colors

CIELCh(80, 34.765, 312.714)

Have a look what the booklet for
CIELCh(80, 34.765, 312.714)
contains.

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Color

CIELCh(80, 34.765, 312.714)

Conversions

Conversions Part 1

Format	Color
Hex	DCB9F6
RGB	220, 185, 246
RGB Percent	86%, 73%, 96%
CMY	0.1365, 0.2738, 0.0346
CMYK	0.11, 0.25, 0.00, 0.03
HSL	274°, 78%, 85%
HSV	274°, 25%, 97%
XYZ	63.6197, 56.6813, 94.9259
YIQ	202.4190, 1.2790, 26.3910

Conversions

Conversions Part 2

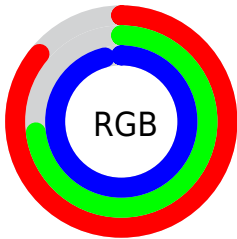
Format	Color
R _Y B	220, 185, 246
Decimal	14465526
CIE Lab	80.00, 23.58, -25.54
CIE LCh	80, 34.765, 312.714
Yxy	56.6813, 0.2956, 0.2634
Android (android.graphics.Color)	4292655606 (0xFFDCB9F6)
YUV	202.4190, 21.4854, 15.4185
Hunter-Lab	75.2870, 19.0856, -22.0552

Details

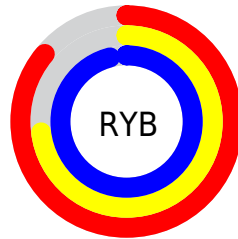
The CIELCh color $80, 34.765, 312.714$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $93, 33.784, 130.484$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 8.725, 324.710$, and $60, 34.748, 312.247$ is the 20% darker color. If you saturate the color by 10%, you get $73, 49.242, 313.199$, and if you desaturate by 10%, it is $87, 20.493, 312.240$.

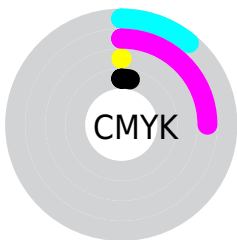
Distribution



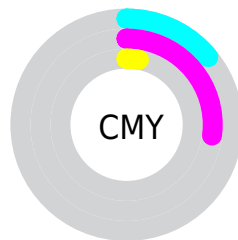
- Red (86%)
- Green (73%)
- Blue (96%)



- Red (86%)
- Yellow (73%)
- Blue (96%)



- Cyan (11%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)





- Cyan (14%)
- Magenta (27%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 34.765, 312.714 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, 34.765, 312.714 by changing the saturation by 10% instead.


 80, 34.765,
312.714


 80, 34.765,
312.714


 100, 34.765,
312.714


 70, 34.765,
312.714

 60, 34.765,
312.714

 50, 34.765,
312.714

 40, 34.765,
312.714


 30, 34.765,
312.714


 20, 34.765,
312.714


 10, 34.765,


312.714


 0, 34.765, 312.714

 80, 34.765,
312.714


 80, 34.765,
312.714


 73, 49.242,
313.199


 87, 20.493,
312.240


 67, 63.727,
313.674


 94, 6.546, 311.779

 61, 77.877,
314.099

 100, 4.626,
124.564

 55, 91.159,
314.419

 100, 4.458,
109.828

 50, 102.821,
314.554

■ 46, 111.960,
314.409

■ 43, 117.809,
313.892

■ 42, 119.788,
313.507

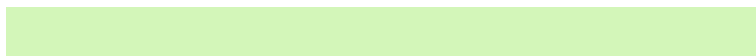
Harmonies

Complementary

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



80, 34.765, 312.714



93, 33.784, 130.484

Rectangle

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



80, 34.765, 312.714



80, 34.765, 2.714



80, 34.765, 132.714



80, 34.765, 182.714

Sweetspot

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



80, 34.763, 312.714



95, 9.889, 311.883



84, 19.895, 266.101



50, 6.430, 311.911



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, 34.763, 312.714



79, 43.530, 312.969



82, 36.816, 327.697



47, 7.791, 311.996



31, 96.960, 313.700



6, 41.623, 314.675

Inverse Universe

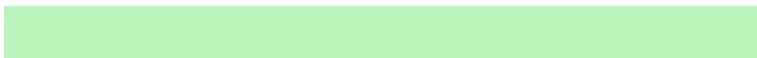
The Inverse Universe completely reimagines the original color for something new.



81, 26.269, 350.258



81, 32.857, 350.893



92, 36.783, 144.578



48, 5.884, 348.631



40, 66.719, 9.151



9, 29.753, 1.829

Previews

White Background



This preview shows how the CIELCh color 80, 34.765, 312.714 looks on a white background.

Color Contrast Check

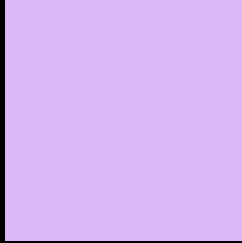
Large Text (above 18pt) WCAG AA × Fail

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, 34.765, 312.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

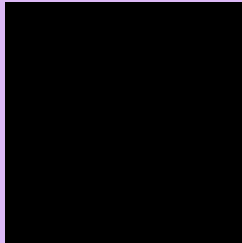
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 34.765, 312.714

Background



This preview shows how black text looks on a background with the CIELCh color 80, 34.765, 312.714.



This preview shows how white text looks on a background with the CIELCh color 80, 34.765, 312.714.

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, 11.371, 335.715

Trichromacy



Original Color
80, 34.765, 312.714

Protanomaly
80, 31.581, 295.868

Deuteranomaly
80, 29.243, 301.166

Tritanomaly
80, 19.019, 320.586

Monochromacy



Original Color
80, 34.765, 312.714

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 12.512, 311.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 34.765, 312.714 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(220, 185, 246)` looks like.

```
.text, #text, p{  
    color:rgb(220, 185, 246)  
}
```

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(220, 185, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 185, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 34.765, 312.714 is called "border". The border property can be set on classes, ids or directly on the HTML element.

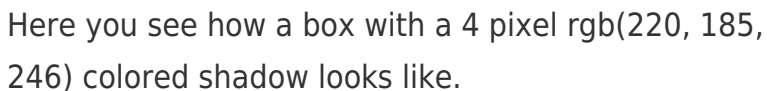
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 185, 246) }
```

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

```
.border{ border-color:rgb(220, 185, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(220, 185, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 185, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 185, 246);  
box-shadow:4px 4px 4px 4px rgb(220, 185,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 34.765, 312.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 185, 246) }
```

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

```
.background{ background-color: rgb(220,  
185, 246) }
```

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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