

Converting Colors

CIELCh(77, 45.765, 309.612)

Have a look what the booklet for
CIELCh(77, 45.765, 309.612)
contains.

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Color

CIELCh(77, 45.423, 309.625)

Conversions

Conversions Part 1

Format	Color
Hex	D4AEFF
RGB	212, 174, 255
RGB Percent	83%, 68%, 100%
CMY	0.1683, 0.3174, 0.0000
CMYK	0.17, 0.32, 0.00, 0.00
HSL	268°, 100%, 84%
HSV	268°, 32%, 100%
XYZ	60.3840, 51.5317, 101.4343
YIQ	194.5960, -3.3530, 33.2470

Conversions

Conversions Part 2

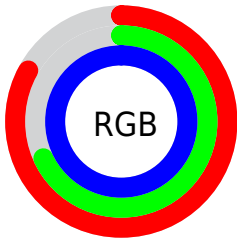
Format	Color
R _Y B	212, 174, 255
Decimal	13938431
CIE Lab	77.00, 28.97, -34.99
CIE LCh	77, 45.423, 309.625
Yxy	51.5317, 0.2830, 0.2415
Android (android.graphics.Color)	4292128511 (0xFFD4AEFF)
YUV	194.5960, 29.7792, 15.2633
Hunter-Lab	71.7856, 24.5242, -33.5279

Details

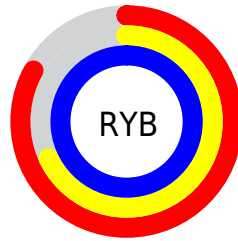
The CIELCh color $77, 45.423, 309.625$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $96, 43.240, 126.475$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 15.620, 324.964$, and $57, 45.538, 309.539$ is the 20% darker color. If you saturate the color by 10%, you get $70, 60.310, 310.225$, and if you desaturate by 10%, it is $84, 30.678, 309.073$.

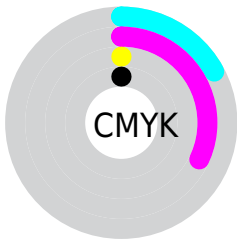
Distribution



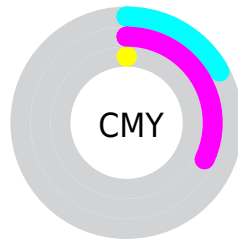
- Red (83%)
- Green (68%)
- Blue (100%)



- Red (83%)
- Yellow (68%)
- Blue (100%)



- Cyan (17%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 45.423, 309.625 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 77, 45.423, 309.625 by changing the saturation by 10% instead.


 77, 45.423,
309.625

 77, 45.423,
309.625


 100, 45.423,
309.625


 67, 45.423,
309.625


 97, 45.423,
309.625

 57, 45.423,
309.625

 47, 45.423,
309.625

 37, 45.423,
309.625

 27, 45.423,
309.625

 17, 45.423,
309.625

 7, 45.423, 309.625

0, 45.423, 309.625

77, 45.423,
309.625

77, 45.423,
309.625

70, 60.310,
310.225

84, 30.678,
309.073

63, 75.210,
310.803

91, 16.326,
308.545

57, 89.647,
311.318

99, 2.387, 308.023

51, 102.923,
311.689

100, 0.012,
296.813

46, 114.051,
311.803

42, 121.945,
311.530

■ 40,125.882,
311.007

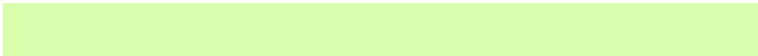
Harmonies

Complementary

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



77, 45.423, 309.625



96, 43.240, 126.475

Rectangle

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



77, 45.423, 309.625



77, 45.423, 359.625



77, 45.423, 129.625



77, 45.423, 179.625

Sweetspot

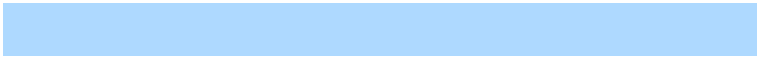
The Sweet Spot groups the original color and five complimentary colors.



77, 45.383, 309.638



93, 13.876, 308.458



85, 23.586, 256.730



48, 9.486, 308.529



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 45.383, 309.638



73, 54.720, 310.005



81, 50.182, 325.212



49, 7.883, 308.433



29, 101.192, 311.201



6, 44.920, 312.046

Inverse Universe

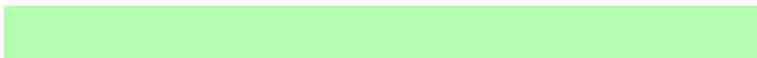
The Inverse Universe completely reimagines the original color for something new.



80, 36.929, 344.962



76, 44.168, 345.681



93, 50.105, 141.384



50, 6.515, 342.785



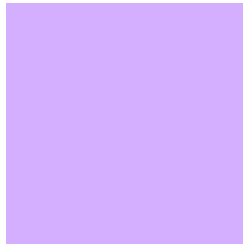
41, 68.670, 359.245



11, 32.188, 354.124

Previews

White Background



This preview shows how the CIELCh color 77, 45.423, 309.625 looks on a white background.

Color Contrast Check

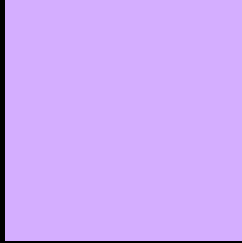
Large Text (above 18pt) WCAG AA × Fail

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 77, 45.423, 309.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

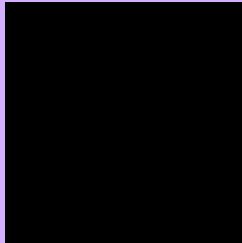
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 45.423, 309.625

Background



This preview shows how black text looks on a background with the CIELCh color 77, 45.423, 309.625.



This preview shows how white text looks on a background with the CIELCh color 77, 45.423, 309.625.

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
77, 45.423, 309.625

Protanopia
77, 36.167, 285.108

Deuteranopia
77, 34.998, 287.188



Tritanopia
77, 10.455, 329.896

Trichromacy



Original Color
77, 45.423, 309.625



Protanomaly
77, 38.764, 295.024



Deuteranomaly
77, 38.310, 296.427

Tritanomaly
77, 22.846, 314.583

Monochromacy



Original Color
77, 45.423, 309.625



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 16.912, 308.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 45.423, 309.625 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(212, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 174, 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(212, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 174, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 45.423, 309.625 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(212, 174, 255) }
```

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

```
.border{ border-color:rgb(212, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 174,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 45.423, 309.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 174, 255) }
```

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

```
.background{ background-color: rgb(212,  
174, 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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