

Converting Colors

CIELCh(77, 47.287, 311.856)

Have a look what the booklet for
CIELCh(77, 47.287, 311.856)
contains.

CIELCh(77, 47.093, 312.064)	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(77, 47.093, 312.064)

Conversions

Conversions Part 1

Format	Color
Hex	D9ACFF
RGB	217, 172, 255
RGB Percent	85%, 67%, 100%
CMY	0.1486, 0.3251, 0.0000
CMYK	0.15, 0.33, 0.00, 0.00
HSL	273°, 100%, 84%
HSV	273°, 33%, 100%
XYZ	61.4785, 51.5317, 101.3959
YIQ	194.9170, 0.1770, 35.3530

Conversions

Conversions Part 2

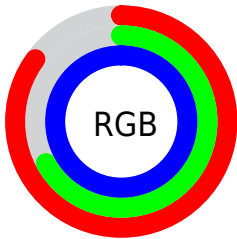
Format	Color
R _Y B	217, 172, 255
Decimal	14265599
CIE Lab	77.00, 31.55, -34.96
CIE LCh	77, 47.093, 312.064
Yxy	51.5317, 0.2867, 0.2403
Android (android.graphics.Color)	4292455679 (0xFFD9ACFF)
YUV	194.9170, 29.6209, 19.3668
Hunter-Lab	71.7856, 27.2458, -33.4961

Details

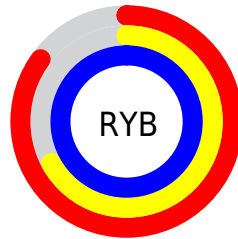
The CIELCh color $77, 47.093, 312.064$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 45.126, 129.039$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 16.877, 325.009$, and $57, 47.204, 312.072$ is the 20% darker color. If you saturate the color by 10%, you get $70, 61.969, 312.590$, and if you desaturate by 10%, it is $84, 32.223, 311.578$.

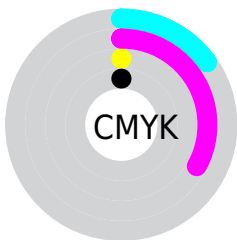
Distribution



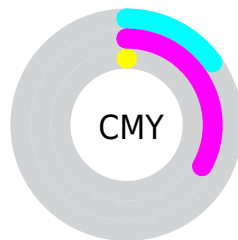
- Red (85%)
- Green (67%)
- Blue (100%)



- Red (85%)
- Yellow (67%)
- Blue (100%)



- Cyan (15%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 47.093, 312.064 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, 47.093, 312.064 by changing the saturation by 10% instead.

 77, 47.093,
312.064

 77, 47.093,
312.064

 100, 47.093,
312.064

 67, 47.093,
312.064

 97, 47.093,
312.064

 57, 47.093,
312.064

 47, 47.093,
312.064

 37, 47.093,
312.064

 27, 47.093,
312.064

 17, 47.093,
312.064

 7, 47.093, 312.064

■ 0, 47.093, 312.064

■ 77, 47.093,
312.064

■ 77, 47.093,
312.064

■ 70, 61.969,
312.590

■ 84, 32.223,
311.578

■ 64, 76.704,
313.065

■ 91, 17.681,
311.094

■ 58, 90.758,
313.453

■ 98, 3.508, 310.611

■ 52, 103.403,
313.678

100, 0.012,
296.813

■ 48, 113.698,
313.639

■ 44, 120.722,
313.231

■ 42,123.880,
312.692

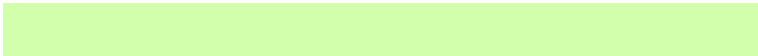
Harmonies

Complementary

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



77, 47.093, 312.064



95, 45.126, 129.039

Rectangle

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



77, 47.093, 312.064



77, 47.093, 2.064



77, 47.093, 132.064



77, 47.093, 182.064

Sweetspot

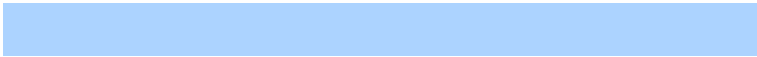
The Sweet Spot groups the original color and five complimentary colors.



77, 47.042, 312.083



93, 14.084, 310.976



83, 25.854, 264.304



49, 9.627, 311.042



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, 47.042, 312.083



73, 56.730, 312.414



81, 50.683, 327.153



49, 8.002, 310.953



31, 99.608, 312.888



6, 44.835, 314.064

Inverse Universe

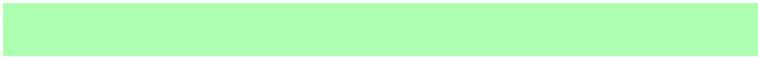
The Inverse Universe completely reimagines the original color for something new.



79, 36.253, 349.298



76, 43.501, 350.147



93, 50.705, 142.967



50, 6.206, 346.810



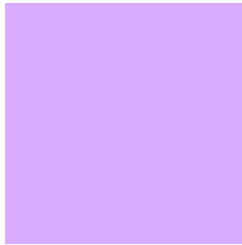
41, 67.999, 6.238



10, 31.532, 359.990

Previews

White Background



This preview shows how the CIELCh color 77, 47.093, 312.064 looks on a white background.

Color Contrast Check

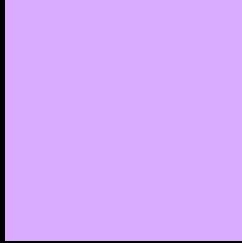
Large Text (above 18pt) WCAG AA × Fail

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, 47.093, 312.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

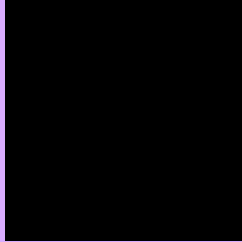
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 47.093, 312.064

Background



This preview shows how black text looks on a background with the CIELCh color 77, 47.093, 312.064.



This preview shows how white text looks on a background with the CIELCh color 77, 47.093, 312.064.

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, 47.093, 312.064

Protanopia

77, 36.167, 285.108

Deuteranopia

77, 34.998, 287.188



Tritanopia
77, 12.278, 339.517

Trichromacy



Original Color
77, 47.093, 312.064

Protanomaly
77, 39.375, 296.425

Deuteranomaly
77, 38.350, 297.372

Tritanomaly
77, 24.397, 319.615

Monochromacy



Original Color
77, 47.093, 312.064

Achromatopsia
79, 0.010, 296.813

Achromatomaly
78, 17.133, 310.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 47.093, 312.064 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(217, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 172, 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(217, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 172, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 47.093, 312.064 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(217, 172, 255) }
```

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

```
.border{ border-color:rgb(217, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 172,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 47.093, 312.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 172, 255) }
```

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

```
.background{ background-color: rgb(217,  
172, 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](#).

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