

Converting Colors

CIELCh(77, 46.744, 313.055)

Have a look what the booklet for
CIELCh(77, 46.744, 313.055)
contains.

CIELCh(77, 46.784, 313.060)	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, 46.784, 313.060)

Conversions

Conversions Part 1

Format	Color
Hex	DBACFE
RGB	219, 172, 254
RGB Percent	86%, 67%, 100%
CMY	0.1424, 0.3267, 0.0052
CMYK	0.14, 0.32, 0.00, 0.01
HSL	274°, 97%, 83%
HSV	274°, 32%, 99%
XYZ	61.6458, 51.5317, 100.1867
YIQ	195.4010, 1.6900, 35.4660

Conversions

Conversions Part 2

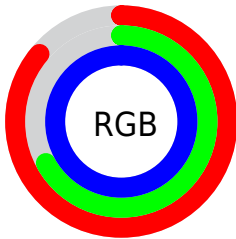
Format	Color
R _Y B	219, 172, 254
Decimal	14396670
CIE Lab	77.00, 31.94, -34.18
CIE LCh	77, 46.784, 313.060
Yxy	51.5317, 0.2889, 0.2415
Android (android.graphics.Color)	4292586750 (0xFFDBACFE)
YUV	195.4010, 28.8893, 20.6963
Hunter-Lab	71.7856, 27.6619, -32.4974

Details

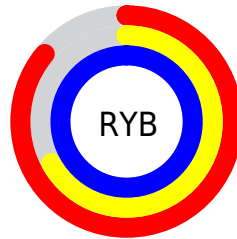
The CIELCh color $77, 46.784, 313.060$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 45.039, 130.085$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 16.877, 325.009$, and $57, 46.845, 313.096$ is the 20% darker color. If you saturate the color by 10%, you get $70, 61.647, 313.541$, and if you desaturate by 10%, it is $84, 31.985, 312.574$.

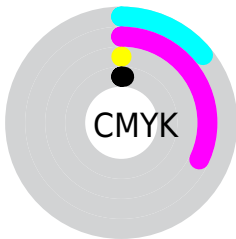
Distribution



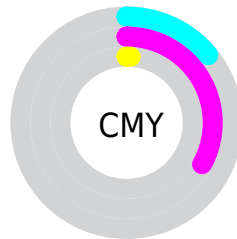
- Red (86%)
- Green (67%)
- Blue (100%)



- Red (86%)
- Yellow (67%)
- Blue (100%)



- Cyan (14%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)




- Cyan (14%)
- Magenta (33%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 46.784, 313.060 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, 46.784, 313.060 by changing the saturation by 10% instead.

 77, 46.784,
313.060


 77, 46.784,
313.060


 100, 46.784,
313.060

 67, 46.784,
313.060


 97, 46.784,
313.060

 57, 46.784,
313.060

 47, 46.784,
313.060

 37, 46.784,
313.060

 27, 46.784,
313.060

 17, 46.784,
313.060

 7, 46.784, 313.060

■ 0, 46.784, 313.060

■ 77, 46.784,
313.060

■ 77, 46.784,
313.060

■ 70, 61.647,
313.541

■ 84, 31.985,
312.574

■ 64, 76.270,
313.984

■ 91, 17.439,
312.104

■ 58, 90.153,
314.337

■ 98, 3.243, 311.625

■ 53, 102.578,
314.525

■ 100, 0.663,
110.012

■ 48, 112.635,
314.455

■ 45, 119.462,
314.030

■ 43,122.573,
313.471

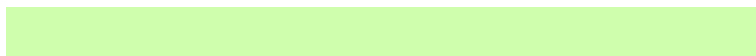
Harmonies

Complementary

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



77, 46.784, 313.060



95, 45.039, 130.085

Rectangle

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



77, 46.784, 313.060



77, 46.784, 3.060



77, 46.784, 133.060



77, 46.784, 183.060

Sweetspot

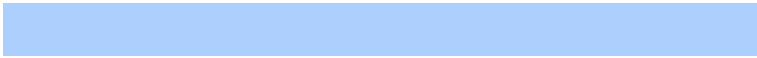
The Sweet Spot groups the original color and five complimentary colors.



77, 46.782, 313.060



93, 14.178, 311.998



82, 26.580, 267.608



49, 9.690, 312.062



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, 46.782, 313.060



73, 56.968, 313.384



80, 49.055, 328.131



49, 8.056, 311.975



32, 98.963, 313.661



7, 44.758, 314.911

Inverse Universe

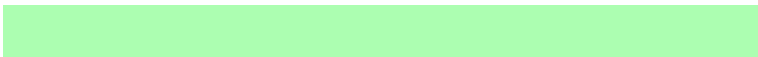
The Inverse Universe completely reimagines the original color for something new.



79, 35.300, 351.144



75, 42.840, 352.059



93, 49.058, 143.902



50, 6.088, 348.594



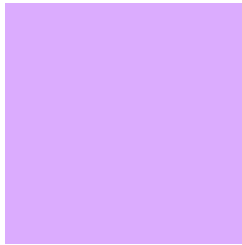
41, 68.078, 9.190



10, 31.377, 2.515

Previews

White Background



This preview shows how the CIELCh color 77, 46.784, 313.060 looks on a white background.

Color Contrast Check

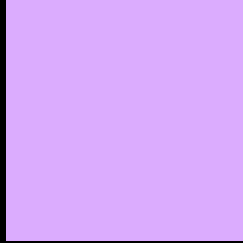
Large Text (above 18pt) WCAG AA × Fail

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, 46.784, 313.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

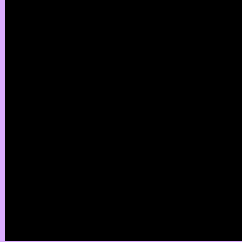
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 46.784, 313.060

Background



This preview shows how black text looks on a background with the CIELCh color 77, 46.784, 313.060.

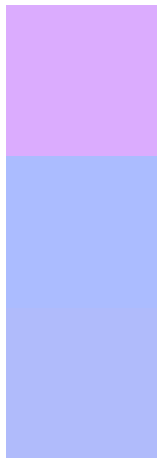


This preview shows how white text looks on a background with the CIELCh color 77, 46.784, 313.060.

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, 46.784, 313.060

Protanopia
77, 36.167, 285.108

Deuteranopia
77, 34.444, 287.538



Tritanopia
77, 12.529, 343.706

Trichromacy



Original Color
77, 46.784, 313.060



Protanomaly
77, 39.375, 296.425



Deuteranomaly
77, 38.464, 298.807



Tritanomaly
77, 24.268, 321.749

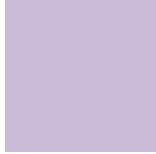
Monochromacy



Original Color
77, 46.784, 313.060



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 16.756, 312.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 46.784, 313.060 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(219, 172, 254)` looks like.

```
.text, #text, p{  
    color:rgb(219, 172, 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(219, 172, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 172, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 46.784, 313.060 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(219, 172, 254) }
```

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

```
.border{ border-color:rgb(219, 172, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 172, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 172, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 172, 254);  
box-shadow:4px 4px 4px 4px rgb(219, 172,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 46.784, 313.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 172, 254) }
```

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

```
.background{ background-color: rgb(219,  
172, 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](#).

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