

Converting Colors

CIELCh(77, 51.820, 318.249)

Have a look what the booklet for
CIELCh(77, 51.820, 318.249)
contains.

CIELCh(77, 51.814, 318.447)	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, 51.814, 318.447)

Conversions

Conversions Part 1

Format	Color
Hex	E7A6FE
RGB	231, 166, 254
RGB Percent	91%, 65%, 100%
CMY	0.0933, 0.3483, 0.0031
CMYK	0.09, 0.35, 0.00, 0.00
HSL	284°, 98%, 82%
HSV	284°, 35%, 100%
XYZ	64.6116, 51.5317, 100.4754
YIQ	195.4670, 10.4920, 41.1480

Conversions

Conversions Part 2

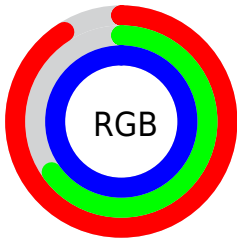
Format	Color
R _Y B	231, 166, 254
Decimal	15181566
CIE _{Lab}	77.00, 38.77, -34.37
CIE _{LCh}	77, 51.814, 318.447
Y _{xy}	51.5317, 0.2983, 0.2379
Android (android.graphics.Color)	4293371646 (0xFFE7A6FE)
Y _{UV}	195.4670, 28.8568, 31.1624
Hunter-Lab	71.7856, 35.0364, -32.7358

Details

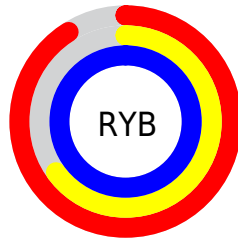
The CIELCh color **77, 51.814, 318.447** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **94, 50.694, 135.173**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **92, 20.651, 325.143**, and **57, 51.739, 318.357** is the 20% darker color. If you saturate the color by 10%, you get **71, 66.655, 318.847**, and if you desaturate by 10%, it is **83, 36.706, 318.012**.

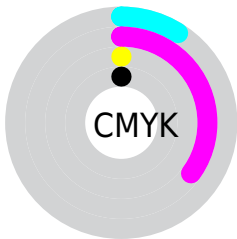
Distribution



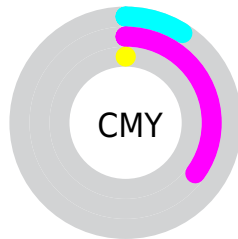
- Red (91%)
- Green (65%)
- Blue (100%)



- Red (91%)
- Yellow (65%)
- Blue (100%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 51.814, 318.447 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, 51.814, 318.447 by changing the saturation by 10% instead.

 77, 51.814,
318.447


 77, 51.814,
318.447


 100, 51.814,
318.447


 67, 51.814,
318.447


 97, 51.814,
318.447

 57, 51.814,
318.447

 47, 51.814,
318.447

 37, 51.814,
318.447

 27, 51.814,
318.447

 17, 51.814,
318.447

 7, 51.814, 318.447

■ 0, 51.814, 318.447

■ 77, 51.814,
318.447

■ 77, 51.814,
318.447

■ 71, 66.655,
318.847

■ 83, 36.706,
318.012

■ 65, 80.798,
319.178

■ 90, 21.632,
317.565

■ 60, 93.639,
319.394

■ 97, 6.773, 317.107

■ 56, 104.441,
319.439

100, 0.394,
109.952

■ 53, 112.465,
319.253

■ 50, 117.245,
318.788

■ 49,118.747,
318.445

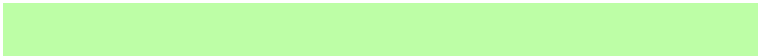
Harmonies

Complementary

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



77, 51.814, 318.447



94, 50.694, 135.173

Rectangle

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



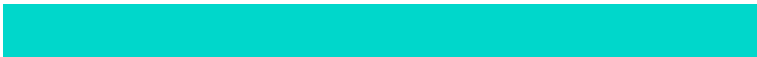
77, 51.814, 318.447



77, 51.814, 8.447



77, 51.814, 138.447



77, 51.814, 188.447

Sweetspot

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



77, 51.812, 318.447



93, 14.767, 317.358



77, 35.097, 281.504



49, 10.089, 317.421



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, 51.812, 318.447



73, 62.971, 318.748



79, 46.906, 334.083



50, 8.392, 317.335



37, 95.797, 318.593



9, 43.842, 319.650

Inverse Universe

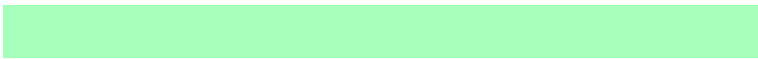
The Inverse Universe completely reimagines the original color for something new.



77, 35.468, 2.799



73, 43.490, 4.065



93, 46.632, 148.897



50, 5.564, 359.550



40, 72.147, 24.665



10, 31.640, 15.300

Previews

White Background



This preview shows how the CIELCh color 77, 51.814, 318.447 looks on a white background.

Color Contrast Check

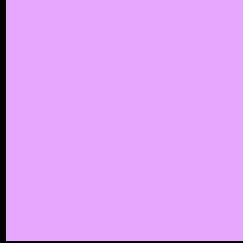
Large Text (above 18pt) WCAG AA × Fail

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, 51.814, 318.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

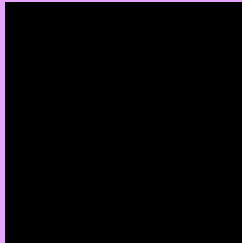
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 51.814, 318.447

Background



This preview shows how black text looks on a background with the CIELCh color 77, 51.814, 318.447.

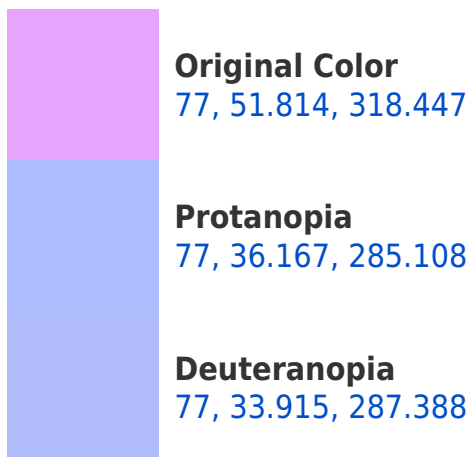


This preview shows how white text looks on a background with the CIELCh color 77, 51.814, 318.447.

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
77, 17.791, 356.148

Trichromacy



Original Color
77, 51.814, 318.447



Protanomaly
77, 40.682, 299.563



Deuteranomaly
77, 39.810, 301.517



Tritanomaly
77, 28.629, 331.822

Monochromacy



Original Color
77, 51.814, 318.447



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 19.245, 317.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 51.814, 318.447 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(231, 166, 254)` looks like.

```
.text, #text, p{  
    color:rgb(231, 166, 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(231, 166, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 166, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 51.814, 318.447 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(231, 166, 254) }
```

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

```
.border{ border-color:rgb(231, 166, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 166, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 166, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 166, 254);  
box-shadow:4px 4px 4px 4px rgb(231, 166,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 51.814, 318.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 166, 254) }
```

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

```
.background{ background-color: rgb(231,  
166, 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