

Converting Colors

CIELCh(77, 52.022, 317.306)

Have a look what the booklet for
CIELCh(77, 52.022, 317.306)
contains.

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Color

CIELCh(77, 51.431, 317.370)

Conversions

Conversions Part 1

Format	Color
Hex	E5A7FF
RGB	229, 167, 255
RGB Percent	90%, 65%, 100%
CMY	0.1018, 0.3450, 0.0000
CMYK	0.10, 0.34, 0.00, 0.00
HSL	282°, 100%, 83%
HSV	282°, 34%, 100%
XYZ	64.2003, 51.5317, 101.1944
YIQ	195.5700, 8.7040, 40.5120

Conversions

Conversions Part 2

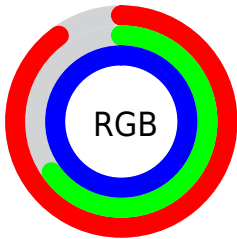
Format	Color
R _Y B	229, 167, 255
Decimal	15050751
CIE Lab	77.00, 37.84, -34.83
CIE LCh	77, 51.431, 317.370
Yxy	51.5317, 0.2960, 0.2376
Android (android.graphics.Color)	4293240831 (0xFFE5A7FF)
YUV	195.5700, 29.2990, 29.3181
Hunter-Lab	71.7856, 34.0139, -33.3297

Details

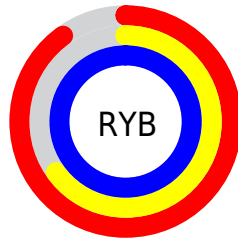
The CIELCh color $77, 51.431, 317.370$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 50.124, 134.176$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $92, 20.022, 325.121$, and $57, 51.395, 317.229$ is the 20% darker color. If you saturate the color by 10%, you get $71, 66.300, 317.784$, and if you desaturate by 10%, it is $83, 36.329, 316.939$.

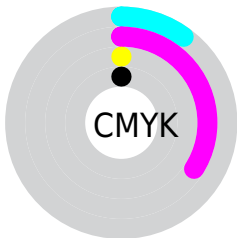
Distribution



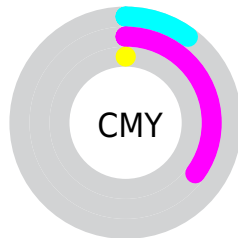
- Red (90%)
- Green (65%)
- Blue (100%)



- Red (90%)
- Yellow (65%)
- Blue (100%)



- Cyan (10%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 51.431, 317.370 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, 51.431, 317.370 by changing the saturation by 10% instead.


 77, 51.431,
317.370


 77, 51.431,
317.370


 100, 51.431,
317.370


 67, 51.431,
317.370


 97, 51.431,
317.370

 57, 51.431,
317.370

 47, 51.431,
317.370

 37, 51.431,
317.370

 27, 51.431,
317.370

 17, 51.431,
317.370

 7, 51.431, 317.370

■ 0, 51.431, 317.370

■ 77, 51.431,
317.370

■ 77, 51.431,
317.370

■ 71, 66.300,
317.784

■ 83, 36.329,
316.939

■ 65, 80.565,
318.124

■ 90, 21.316,
316.493

■ 60, 93.616,
318.349

■ 97, 6.547, 316.040

■ 55, 104.706,
318.398

100, 0.012,
296.813

■ 52, 113.052,
318.203

■ 49, 118.121,
317.708

■ 48,119.771,
317.330

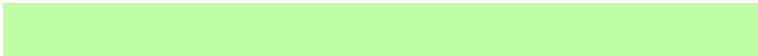
Harmonies

Complementary

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



77, 51.431, 317.370



94, 50.124, 134.176

Rectangle

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



77, 51.431, 317.370



77, 51.431, 7.370



77, 51.431, 137.370



77, 51.431, 187.370

Sweetspot

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



77, 51.415, 317.377



93, 14.637, 316.293



78, 33.615, 279.201



49, 10.000, 316.356



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, 51.415, 317.377



73, 61.140, 317.647



79, 47.942, 332.788



50, 8.317, 316.271



36, 96.378, 317.493



8, 44.059, 318.647

Inverse Universe

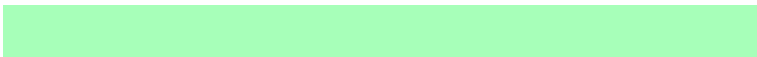
The Inverse Universe completely reimagines the original color for something new.



78, 35.796, 0.330



74, 42.787, 1.405



93, 47.757, 147.770



50, 5.653, 357.148



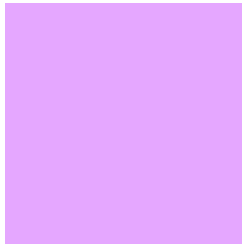
40, 70.850, 21.694



10, 31.481, 13.082

Previews

White Background



This preview shows how the CIELCh color 77, 51.431, 317.370 looks on a white background.

Color Contrast Check

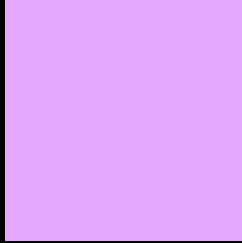
Large Text (above 18pt) WCAG AA × Fail

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, 51.431, 317.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

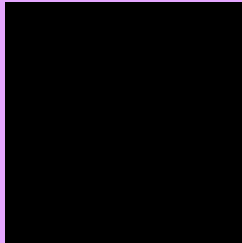
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 51.431, 317.370

Background



This preview shows how black text looks on a background with the CIELCh color 77, 51.431, 317.370.



This preview shows how white text looks on a background with the CIELCh color 77, 51.431, 317.370.

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, 17.104, 354.987

Trichromacy



Original Color
77, 51.431, 317.370



Protanomaly
77, 40.652, 299.117



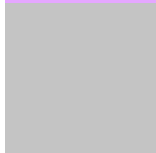
Deuteranomaly
77, 39.165, 300.651

Tritanomaly
77, 27.947, 330.000

Monochromacy



Original Color
77, 51.431, 317.370



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 19.091, 316.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 51.431, 317.370 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(229, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 167, 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(229, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 167, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 51.431, 317.370 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(229, 167, 255) }
```

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

```
.border{ border-color:rgb(229, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 167,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 51.431, 317.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 167, 255) }
```

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

```
.background{ background-color: rgb(229,  
167, 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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