

Converting Colors

CIELCh(78, 83.798, 304.396)

Have a look what the booklet for
CIELCh(78, 83.798, 304.396)
contains.

CIELCh(75, 49.414, 309.308)	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(75, 49.414, 309.308)

Conversions

Conversions Part 1

Format	Color
Hex	CFA7FF
RGB	207, 167, 255
RGB Percent	81%, 65%, 100%
CMY	0.1871, 0.3440, 0.0000
CMYK	0.19, 0.34, 0.00, 0.00
HSL	267°, 100%, 83%
HSV	267°, 34%, 100%
XYZ	57.7731, 48.2781, 101.1223
YIQ	188.9920, -4.4080, 35.8480

Conversions

Conversions Part 2

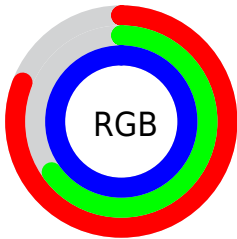
Format	Color
R _Y B	207, 167, 255
Decimal	13608959
CIE Lab	75.00, 31.30, -38.23
CIE LCh	75, 49.414, 309.308
Yxy	48.2781, 0.2789, 0.2330
Android (android.graphics.Color)	4291799039 (0xFFCFA7FF)
YUV	188.9920, 32.5419, 15.7930
Hunter-Lab	69.4824, 26.8245, -37.6509

Details

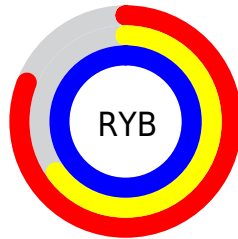
The CIELCh color $75, 49.414, 309.308$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 46.653, 125.848$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 20.651, 325.143$, and $55, 49.131, 309.060$ is the 20% darker color. If you saturate the color by 10%, you get $68, 64.224, 309.959$, and if you desaturate by 10%, it is $82, 34.498, 308.764$.

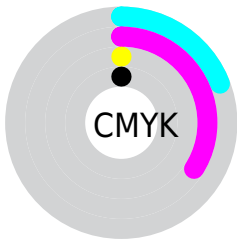
Distribution



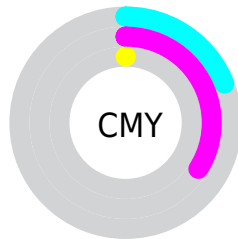
- Red (81%)
- Green (65%)
- Blue (100%)



- Red (81%)
- Yellow (65%)
- Blue (100%)



- Cyan (19%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (34%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 49.414, 309.308 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 75, 49.414, 309.308 by changing the saturation by 10% instead.

 75, 49.414,
309.308


 75, 49.414,
309.308


 100, 49.414,
309.308


 65, 49.414,
309.308


 95, 49.414,
309.308

 55, 49.414,
309.308

 45, 49.414,
309.308

 35, 49.414,
309.308

 25, 49.414,
309.308

 15, 49.414,
309.308

 5, 49.414, 309.308

■ 0, 49.414, 309.308

■ 75, 49.414,
309.308

■ 75, 49.414,
309.308

■ 68, 64.224,
309.959

■ 82, 34.498,
308.764

■ 61, 79.086,
310.549

■ 89, 20.069,
308.215

■ 55, 93.359,
311.062

■ 97, 6.049, 307.703

■ 49, 106.265,
311.406

100, 0.012,
296.813

■ 44, 116.744,
311.457

■ 41, 123.729,
311.087

■ 40,126.249,
310.726

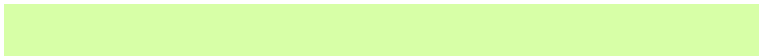
Harmonies

Complementary

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



75, 49.414, 309.308



95, 46.653, 125.848

Rectangle

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



75, 49.414, 309.308



75, 49.414, 359.308



75, 49.414, 129.308



75, 49.414, 179.308

Sweetspot

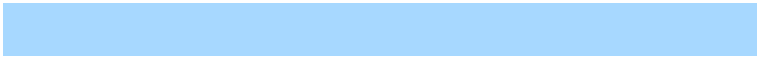
The Sweet Spot groups the original color and five complimentary colors.



75, 49.267, 309.352



93, 13.840, 307.986



84, 25.099, 255.291



48, 9.462, 308.059



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 49.267, 309.352



70, 59.124, 309.752



79, 54.094, 324.857



49, 7.863, 307.961



29, 101.483, 310.918



6, 44.922, 311.680

Inverse Universe

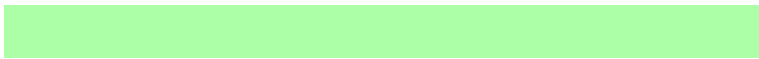
The Inverse Universe completely reimagines the original color for something new.



78, 40.361, 344.516



75, 47.948, 345.283



93, 53.960, 140.758



50, 6.576, 342.086



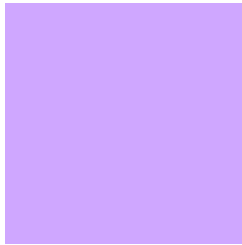
41, 68.921, 357.994



11, 32.351, 353.088

Previews

White Background



This preview shows how the CIELCh color 75, 49.414, 309.308 looks on a white background.

Color Contrast Check

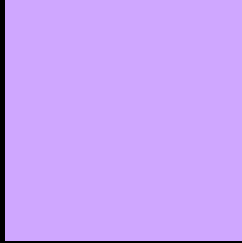
Large Text (above 18pt) WCAG AA × Fail

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 75, 49.414, 309.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

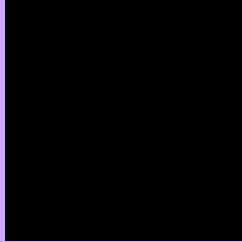
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 49.414, 309.308

Background



This preview shows how black text looks on a background with the CIELCh color 75, 49.414, 309.308.



This preview shows how white text looks on a background with the CIELCh color 75, 49.414, 309.308.

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


75, 49.414, 309.308

Protanopia

75, 39.640, 285.066

Deuteranopia

75, 37.991, 285.359



Tritanopia
75, 9.860, 330.212

Trichromacy



Original Color
75, 49.414, 309.308

Protanomaly
75, 42.190, 294.427

Deuteranomaly
75, 41.134, 295.208

Tritanomaly
75, 24.095, 314.415

Monochromacy



Original Color
75, 49.414, 309.308

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 18.141, 308.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 49.414, 309.308 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(207, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 167, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 49.414, 309.308 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(207, 167, 255) }
```

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

```
.border{ border-color:rgb(207, 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(207, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 167,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 49.414, 309.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 167, 255) }
```

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

```
.background{ background-color: rgb(207,  
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](#).

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