

Converting Colors

CIELCh(80, 93.737, 305.361)

Have a look what the booklet for
CIELCh(80, 93.737, 305.361)
contains.

CIELCh(76, 50.220, 313.008)	3
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Color

CIELCh(76, 50.220, 313.008)

Conversions

Conversions Part 1

Format	Color
Hex	D9A7FF
RGB	217, 167, 255
RGB Percent	85%, 65%, 100%
CMY	0.1471, 0.3433, 0.0000
CMYK	0.15, 0.34, 0.00, 0.00
HSL	274°, 100%, 83%
HSV	274°, 34%, 100%
XYZ	60.7962, 49.8872, 101.4550
YIQ	191.9820, 1.5520, 37.9680

Conversions

Conversions Part 2

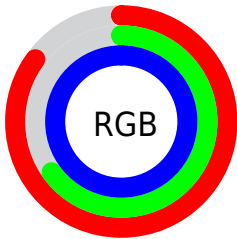
Format	Color
R _Y B	217, 167, 255
Decimal	14264319
CIE Lab	76.00, 34.26, -36.72
CIE LCh	76, 50.220, 313.008
Yxy	49.8872, 0.2866, 0.2352
Android (android.graphics.Color)	4292454399 (0xFFD9A7FF)
YUV	191.9820, 31.0679, 21.9408
Hunter-Lab	70.6309, 30.0413, -35.7232

Details

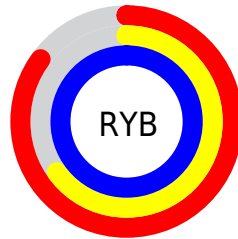
The CIELCh color **76, 50.220, 313.008** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **95, 47.978, 129.931**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 20.022, 325.121**, and **56, 50.446, 313.086** is the 20% darker color. If you saturate the color by 10%, you get **69, 64.881, 313.585**, and if you desaturate by 10%, it is **83, 35.082, 312.619**.

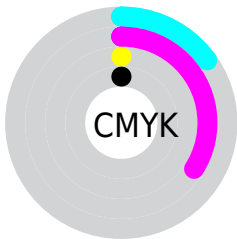
Distribution



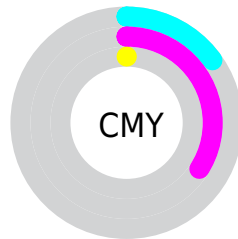
- Red (85%)
- Green (65%)
- Blue (100%)



- Red (85%)
- Yellow (65%)
- Blue (100%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (34%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 50.220, 313.008 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 76, 50.220, 313.008 by changing the saturation by 10% instead.


 76, 50.220,
313.008


 76, 50.220,
313.008


 100, 50.220,
313.008


 66, 50.220,
313.008


 96, 50.220,
313.008

 56, 50.220,
313.008

 46, 50.220,
313.008

 36, 50.220,
313.008

 26, 50.220,
313.008

 16, 50.220,
313.008

 6, 50.220, 313.008

■ 0, 50.220, 313.008

■ 76, 50.220,
313.008

■ 76, 50.220,
313.008

■ 69, 64.881,
313.585

■ 83, 35.082,
312.619

■ 63, 79.467,
314.016

■ 90, 20.417,
312.144

■ 57, 93.186,
314.344

■ 97, 6.089, 311.681

■ 52, 105.269,
314.490

100, 0.012,
296.813

■ 48, 114.786,
314.357

■ 45, 120.925,
313.851

■ 43,123.105,
313.426

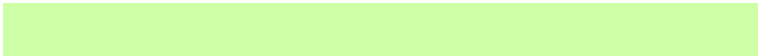
Harmonies

Complementary

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



76, 50.220, 313.008



95, 47.978, 129.931

Rectangle

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



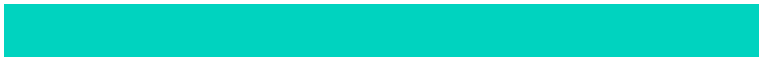
76, 50.220, 313.008



76, 50.220, 3.008



76, 50.220, 133.008



76, 50.220, 183.008

Sweetspot

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



76, 49.971, 313.107



93, 14.173, 311.944



81, 28.351, 268.044



49, 9.687, 312.009



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 49.971, 313.107



71, 59.938, 313.429



80, 52.252, 328.246



49, 8.053, 311.922



32, 98.996, 313.619



7, 44.763, 314.867

Inverse Universe

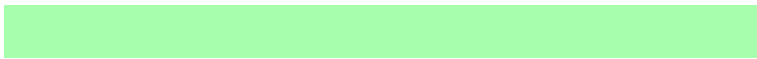
The Inverse Universe completely reimagines the original color for something new.



78, 37.715, 351.309



74, 45.057, 352.250



93, 52.275, 143.709



50, 6.094, 348.498



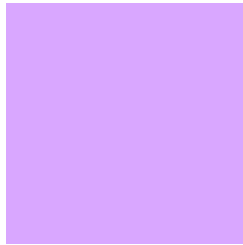
41, 68.068, 9.034



10, 31.384, 2.381

Previews

White Background



This preview shows how the CIELCh color 76, 50.220, 313.008 looks on a white background.

Color Contrast Check

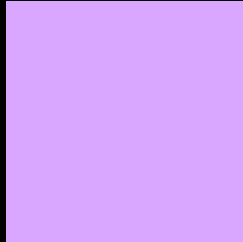
Large Text (above 18pt) WCAG AA × Fail

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 76, 50.220, 313.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

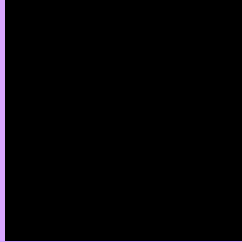
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 50.220, 313.008

Background



This preview shows how black text looks on a background with the CIELCh color 76, 50.220, 313.008.

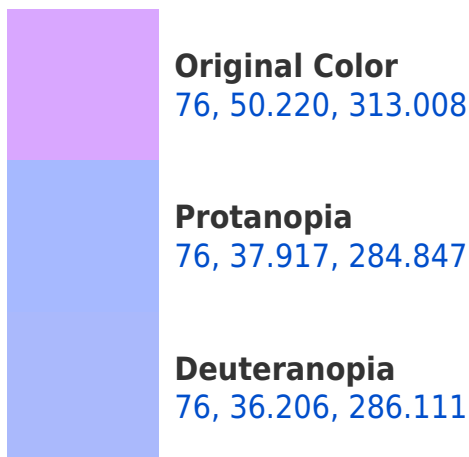


This preview shows how white text looks on a background with the CIELCh color 76, 50.220, 313.008.

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
76, 12.867, 344.764

Trichromacy



Original Color
76, 50.220, 313.008



Protanomaly
76, 41.091, 296.472



Deuteranomaly
76, 40.061, 297.365

Tritanomaly
76, 25.615, 321.985

Monochromacy



Original Color
76, 50.220, 313.008



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 18.444, 311.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 50.220, 313.008 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 167, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 50.220, 313.008 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, 167, 255) }
```

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

```
.border{ border-color:rgb(217, 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(217, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 167,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 50.220, 313.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 167, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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