

Converting Colors

CIELCh(76, 48.188, 310.734)

Have a look what the booklet for
CIELCh(76, 48.188, 310.734)
contains.

CIELCh(76, 47.920, 310.535)	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(76, 47.920, 310.535)

Conversions

Conversions Part 1

Format	Color
Hex	D4AAFF
RGB	212, 170, 255
RGB Percent	83%, 67%, 100%
CMY	0.1692, 0.3338, 0.0006
CMYK	0.17, 0.33, 0.00, 0.00
HSL	270°, 100%, 83%
HSV	270°, 33%, 100%
XYZ	59.4884, 49.8872, 100.9819
YIQ	192.2480, -2.2530, 35.3390

Conversions

Conversions Part 2

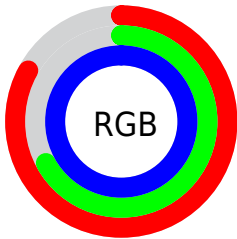
Format	Color
R _Y B	212, 170, 255
Decimal	13937407
CIE Lab	76.00, 31.14, -36.42
CIE LCh	76, 47.920, 310.535
Yxy	49.8872, 0.2828, 0.2372
Android (android.graphics.Color)	4292127487 (0xFFD4AAFF)
YUV	192.2480, 30.9367, 17.3225
Hunter-Lab	70.6309, 26.7364, -35.3260

Details

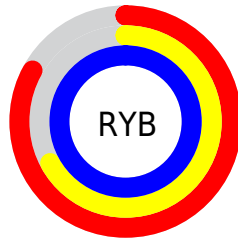
The CIELCh color $76, 47.920, 310.535$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 45.657, 127.282$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 18.134, 325.054$, and $56, 48.143, 310.521$ is the 20% darker color. If you saturate the color by 10%, you get $69, 62.847, 311.092$, and if you desaturate by 10%, it is $83, 33.146, 309.989$.

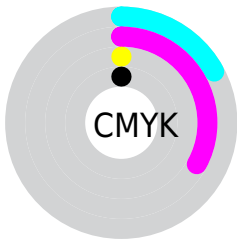
Distribution



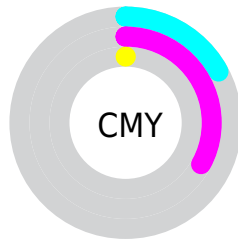
- Red (83%)
- Green (67%)
- Blue (100%)



- Red (83%)
- Yellow (67%)
- Blue (100%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 47.920, 310.535 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, 47.920, 310.535 by changing the saturation by 10% instead.


 76, 47.920,
310.535


 76, 47.920,
310.535


 100, 47.920,
310.535


 66, 47.920,
310.535


 96, 47.920,
310.535

 56, 47.920,
310.535

 46, 47.920,
310.535

 36, 47.920,
310.535

 26, 47.920,
310.535

 16, 47.920,
310.535

 6, 47.920, 310.535

■ 0, 47.920, 310.535

■ 76, 47.920,
310.535

■ 76, 47.920,
310.535

■ 69, 62.847,
311.092

■ 83, 33.146,
309.989

■ 62, 77.647,
311.627

■ 90, 18.689,
309.473

■ 56, 91.834,
312.081

■ 98, 4.624, 308.979

■ 50, 104.660,
312.370

100, 0.060,
108.885

■ 46, 115.126,
312.382

■ 42, 122.227,
311.998

■ 41,125.160,
311.541

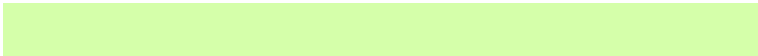
Harmonies

Complementary

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



76, 47.920, 310.535



95, 45.657, 127.282

Rectangle

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



76, 47.920, 310.535



76, 47.920, 0.535



76, 47.920, 130.535



76, 47.920, 180.535

Sweetspot

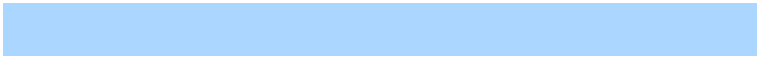
The Sweet Spot groups the original color and five complimentary colors.



76, 47.918, 310.535



93, 13.943, 309.308



84, 25.129, 259.010



48, 9.531, 309.377



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, 47.918, 310.535



71, 57.874, 310.906



80, 52.877, 325.776



49, 7.921, 309.283



30, 100.661, 311.736



6, 44.906, 312.715

Inverse Universe

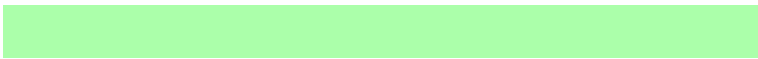
The Inverse Universe completely reimagines the original color for something new.



79, 38.222, 346.523



75, 45.795, 347.340



93, 52.860, 141.631



50, 6.408, 344.088



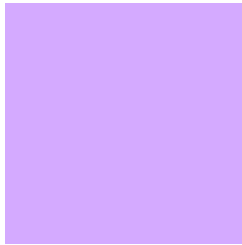
41, 68.313, 1.551



10, 31.926, 356.044

Previews

White Background



This preview shows how the CIELCh color 76, 47.920, 310.535 looks on a white background.

Color Contrast Check

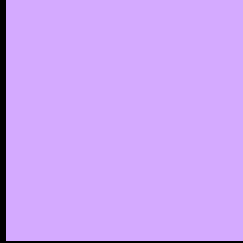
Large Text (above 18pt) WCAG AA × Fail

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, 47.920, 310.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

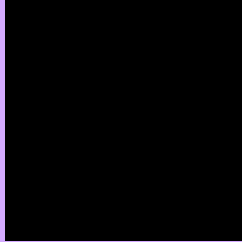
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 47.920, 310.535

Background



This preview shows how black text looks on a background with the CIELCh color 76, 47.920, 310.535.

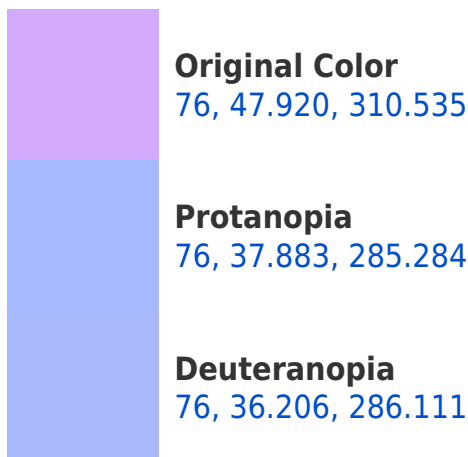


This preview shows how white text looks on a background with the CIELCh color 76, 47.920, 310.535.

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, 10.582, 334.928

Trichromacy



Original Color
76, 47.920, 310.535

Protanomaly
76, 41.064, 295.607

Deuteranomaly
76, 40.024, 296.468

Tritanomaly
76, 23.331, 317.057

Monochromacy



Original Color
76, 47.920, 310.535

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 17.577, 309.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 47.920, 310.535 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(212, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 170, 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(212, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 170, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 47.920, 310.535 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(212, 170, 255) }
```

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

```
.border{ border-color:rgb(212, 170, 255) }
```

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

Here you see how a box with a 4 pixel rgb(212, 170, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 170,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 47.920, 310.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 170, 255) }
```

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

```
.background{ background-color: rgb(212,  
170, 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