

Converting Colors

CIELCh(84, 123.169, 304.914)

Have a look what the booklet for
CIELCh(84, 123.169, 304.914)
contains.

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Color

CIELCh(76, 50.792, 315.202)

Conversions

Conversions Part 1

Format	Color
Hex	DEA6FE
RGB	222, 166, 254
RGB Percent	87%, 65%, 100%
CMY	0.1300, 0.3494, 0.0046
CMYK	0.13, 0.35, 0.00, 0.00
HSL	278°, 97%, 82%
HSV	278°, 35%, 100%
XYZ	61.5557, 49.8872, 100.0047
YIQ	192.7760, 5.1280, 39.2400

Conversions

Conversions Part 2

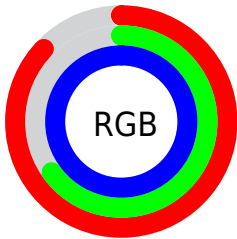
Format	Color
R _Y B	222, 166, 254
Decimal	14591742
CIE Lab	76.00, 36.04, -35.79
CIE LCh	76, 50.792, 315.202
Yxy	49.8872, 0.2911, 0.2359
Android (android.graphics.Color)	4292781822 (0xFFDEA6FE)
YUV	192.7760, 30.1834, 25.6294
Hunter-Lab	70.6309, 31.9609, -34.5058

Details

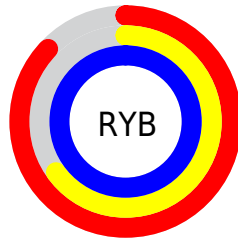
The CIELCh color $76, 50.792, 315.202$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 49.122, 132.041$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 20.651, 325.143$, and $56, 50.985, 315.359$ is the 20% darker color. If you saturate the color by 10%, you get $70, 65.623, 315.635$, and if you desaturate by 10%, it is $83, 35.866, 314.747$.

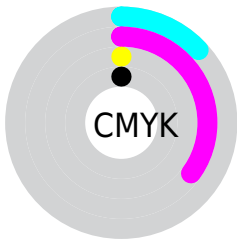
Distribution



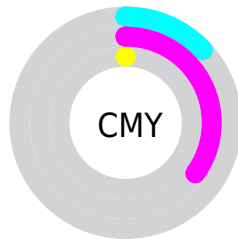
- Red (87%)
- Green (65%)
- Blue (100%)



- Red (87%)
- Yellow (65%)
- Blue (100%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 50.792, 315.202 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, 50.792, 315.202 by changing the saturation by 10% instead.


 76, 50.792,
315.202


 76, 50.792,
315.202


 100, 50.792,
315.202


 66, 50.792,
315.202


 96, 50.792,
315.202

 56, 50.792,
315.202

 46, 50.792,
315.202

 36, 50.792,
315.202

 26, 50.792,
315.202

 16, 50.792,
315.202

 6, 50.792, 315.202

■ 0, 50.792, 315.202

■ 76, 50.792,
315.202

■ 76, 50.792,
315.202

■ 70, 65.623,
315.635

■ 83, 35.866,
314.747

■ 63, 79.981,
316.008

■ 89, 21.092,
314.293

■ 58, 93.295,
316.268

■ 96, 6.606, 313.842

■ 53, 104.801,
316.344

100, 0.584,
110.002

■ 49, 113.644,
316.154

■ 46, 119.162,
315.623

■ 45,120.992,
315.224

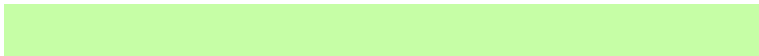
Harmonies

Complementary

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



76, 50.792, 315.202



94, 49.122, 132.041

Rectangle

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



76, 50.792, 315.202



76, 50.792, 5.202



76, 50.792, 135.202



76, 50.792, 185.202

Sweetspot

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



76, 50.790, 315.202



93, 14.388, 314.086



79, 30.922, 274.099



49, 9.832, 314.149



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, 50.790, 315.202



72, 61.971, 315.525



79, 50.188, 330.413



49, 8.175, 314.064



34, 97.670, 315.404



7, 44.499, 316.690

Inverse Universe

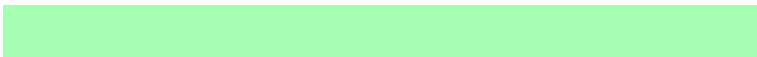
The Inverse Universe completely reimagines the original color for something new.



77, 36.770, 355.577



74, 44.871, 356.725



93, 50.138, 145.628



50, 5.862, 352.530



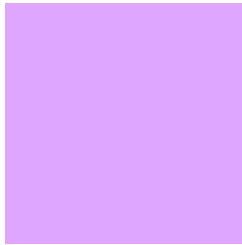
40, 68.924, 15.304



10, 31.290, 7.866

Previews

White Background



This preview shows how the CIELCh color 76, 50.792, 315.202 looks on a white background.

Color Contrast Check

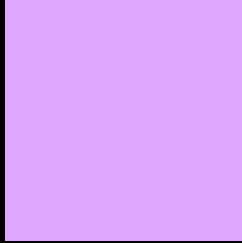
Large Text (above 18pt) WCAG AA × Fail

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, 50.792, 315.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

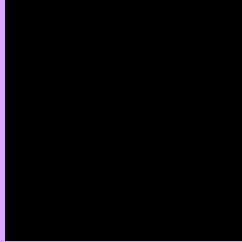
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 50.792, 315.202

Background



This preview shows how black text looks on a background with the CIELCh color 76, 50.792, 315.202.



This preview shows how white text looks on a background with the CIELCh color 76, 50.792, 315.202.

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

76, 50.834, 315.208

Protanopia

76, 37.883, 285.284

Deuteranopia

76, 35.119, 286.247



Tritanopia
76, 14.782, 350.167

Trichromacy



Original Color
76, 50.834, 315.208



Protanomaly
76, 41.719, 297.775



Deuteranomaly
76, 39.640, 298.765

Tritanomaly
76, 26.313, 326.822

Monochromacy



Original Color
76, 50.834, 315.208



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 18.699, 313.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 50.792, 315.202 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(222, 166, 254)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 166, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 166, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 50.792, 315.202 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(222, 166, 254) }
```

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

```
.border{ border-color:rgb(222, 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(222, 166, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 166, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 166, 254);  
box-shadow:4px 4px 4px 4px rgb(222, 166,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 50.792, 315.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 166, 254) }
```

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

```
.background{ background-color: rgb(222,  
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](#).

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