

Converting Colors

CIELCh(76, 51.807, 321.763)

Have a look what the booklet for
CIELCh(76, 51.807, 321.763)
contains.

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Color

CIELCh(76, 51.480, 321.780)

Conversions

Conversions Part 1

Format	Color
Hex	EAA2F7
RGB	234, 162, 247
RGB Percent	92%, 64%, 97%
CMY	0.0835, 0.3657, 0.0325
CMYK	0.05, 0.34, 0.00, 0.03
HSL	291°, 84%, 80%
HSV	291°, 34%, 97%
XYZ	63.4545, 49.8872, 94.0488
YIQ	193.2180, 15.6270, 41.6990

Conversions

Conversions Part 2

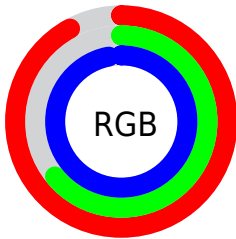
Format	Color
RYB	234, 162, 247
Decimal	15377143
CIELab	76.00, 40.44, -31.85
CIElCh	76, 51.480, 321.780
Yxy	49.8872, 0.3060, 0.2405
Android (android.graphics.Color)	4293567223 (0xFFEAA2F7)
YUV	193.2180, 26.5145, 35.7658
Hunter-Lab	70.6309, 36.7595, -29.5061

Details

The CIELCh color $76, 51.480, 321.780$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $91, 50.919, 138.189$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 23.170, 325.231$, and $56, 51.254, 321.865$ is the 20% darker color. If you saturate the color by 10%, you get $70, 66.003, 322.192$, and if you desaturate by 10%, it is $82, 36.521, 321.328$.

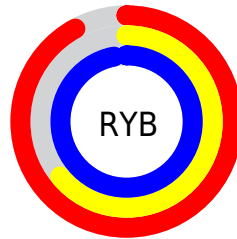
Distribution



Red (92%)

Green (64%)

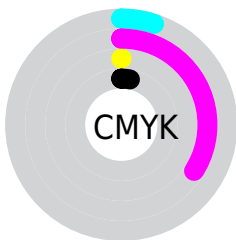
Blue (97%)



Red (92%)

Yellow (64%)

Blue (97%)

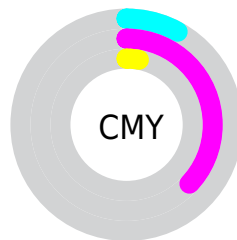


Cyan (5%)

Magenta (34%)

Yellow (0%)

Black (3%)



Cyan (8%)


Magenta (37%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 51.480, 321.780 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, 51.480, 321.780 by changing the saturation by 10% instead.


 76, 51.480,
321.780


 76, 51.480,
321.780


 100, 51.480,
321.780


 66, 51.480,
321.780


 96, 51.480,
321.780

 56, 51.480,
321.780

 46, 51.480,
321.780

 36, 51.480,
321.780

 26, 51.480,
321.780

 16, 51.480,
321.780

 6, 51.480, 321.780

0, 51.480, 321.780

76, 51.480,
321.780

76, 51.480,
321.780

70, 66.003,
322.192

82, 36.521,
321.328

65, 79.624,
322.536

88, 21.471,
320.857

61, 91.736,
322.777

94, 6.556, 320.364

57, 101.668,
322.876

99, 4.750, 137.110

55, 108.824,
322.796

100, 4.287,
121.304

53, 112.917,
322.513

100, 4.191,
109.847

■ 52, 114.171,
322.287

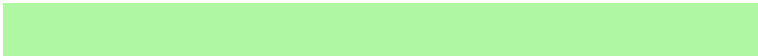
Harmonies

Complementary

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



76, 51.480, 321.780



91, 50.919, 138.189

Rectangle

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



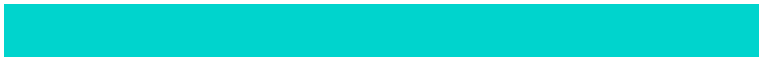
76, 51.480, 321.780



76, 51.480, 11.780



76, 51.480, 141.780



76, 51.480, 191.780

Sweetspot

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



76, 51.478, 321.780



93, 15.218, 320.645



73, 38.540, 287.326



49, 10.394, 320.713



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, 51.478, 321.780



75, 62.729, 322.059



76, 42.573, 338.338



48, 8.364, 320.619



39, 92.379, 322.385



9, 40.974, 323.128

Inverse Universe

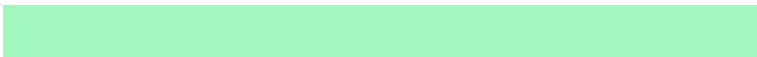
The Inverse Universe completely reimagines the original color for something new.



75, 33.761, 10.886



74, 41.851, 12.037



91, 41.950, 152.683



48, 5.174, 7.695



39, 75.705, 32.784



8, 30.188, 18.761

Previews

White Background



This preview shows how the CIELCh color 76, 51.480, 321.780 looks on a white background.

Color Contrast Check

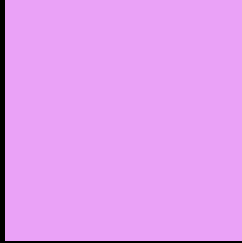
Large Text (above 18pt) WCAG AA × Fail

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, 51.480, 321.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

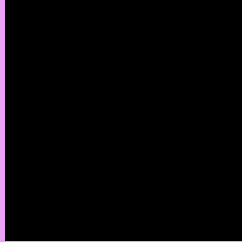
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 51.480, 321.780

Background



This preview shows how black text looks on a background with the CIELCh color 76, 51.480, 321.780.



This preview shows how white text looks on a background with the CIELCh color 76, 51.480, 321.780.

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, 51.480, 321.780

Protanopia
76, 37.883, 285.284

Deuteranopia
76, 31.270, 288.921



Tritanopia
76, 20.561, 1.539

Trichromacy



Original Color
76, 51.480, 321.780



Protanomaly
76, 40.832, 300.044



Deuteranomaly
76, 37.546, 304.488



Tritanomaly
76, 29.653, 337.301

Monochromacy



Original Color
76, 51.480, 321.780



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 19.158, 320.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 51.480, 321.780 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(234, 162, 247)` looks like.

```
.text, #text, p{  
    color:rgb(234, 162, 247)  
}
```

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(234, 162, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 162, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 51.480, 321.780 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(234, 162, 247) }
```

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

```
.border{ border-color:rgb(234, 162, 247) }
```

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

Here you see how a box with a 4 pixel rgb(234, 162, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 162, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 162, 247);  
box-shadow:4px 4px 4px 4px rgb(234, 162,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 51.480, 321.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 162, 247) }
```

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

```
.background{ background-color: rgb(234,  
162, 247) }
```

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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