

Converting Colors

CIELCh(76, 47.796, 325.412)

Have a look what the booklet for
CIELCh(76, 47.796, 325.412)
contains.

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Color

CIELCh(76, 47.830, 325.419)

Conversions

Conversions Part 1

Format	Color
Hex	ECA2EE
RGB	236, 162, 238
RGB Percent	93%, 64%, 93%
CMY	0.0742, 0.3644, 0.0664
CMYK	0.01, 0.32, 0.00, 0.07
HSL	298°, 69%, 78%
HSV	298°, 32%, 93%
XYZ	62.9916, 49.8872, 87.2529
YIQ	192.7900, 19.7080, 39.3240

Conversions

Conversions Part 2

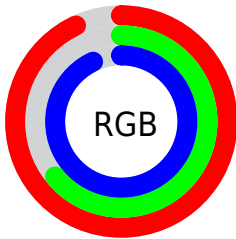
Format	Color
R _{YB}	236, 162, 238
Decimal	15508206
CIE _{Lab}	76.00, 39.38, -27.15
CIE _{LCh}	76, 47.830, 325.419
Yxy	49.8872, 0.3148, 0.2493
Android (android.graphics.Color)	4293698286 (0xFFECA2EE)
YUV	192.7900, 22.2885, 37.8952
Hunter-Lab	70.6309, 35.5897, -23.8015

Details

The CIELCh color $76, 47.830, 325.419$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $88, 47.775, 141.544$, 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 $56, 47.848, 325.352$ is the 20% darker color. If you saturate the color by 10%, you get $71, 62.220, 325.905$, and if you desaturate by 10%, it is $81, 32.914, 324.900$.

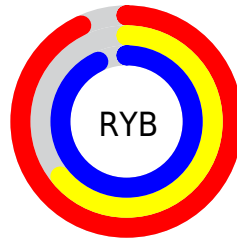
Distribution



Red (93%)

Green (64%)

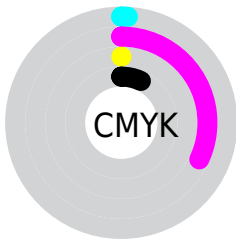
Blue (93%)



Red (93%)

Yellow (64%)

Blue (93%)

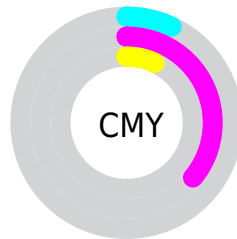


Cyan (1%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (36%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 47.830, 325.419 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, 47.830, 325.419 by changing the saturation by 10% instead.


 76, 47.830,
325.419


 76, 47.830,
325.419


 100, 47.830,
325.419


 66, 47.830,
325.419


 96, 47.830,
325.419

 56, 47.830,
325.419

 46, 47.830,
325.419

 36, 47.830,
325.419

 26, 47.830,
325.419

 16, 47.830,
325.419

 6, 47.830, 325.419

■ 0, 47.830, 325.419

■ 76, 47.830,
325.419

■ 76, 47.830,
325.419

■ 71, 62.220,
325.905

■ 81, 32.914,
324.900

■ 66, 75.614,
326.340

■ 87, 17.841,
324.361

■ 63, 87.435,
326.704

■ 93, 2.863, 323.744

■ 60, 97.086,
326.976

■ 98, 10.433,
143.304

■ 57, 104.083,
327.144

■ 98, 10.309,
142.313

■ 56, 108.224,
327.200

■ 99, 10.189,
141.297

■ 55, 109.846,
327.180

■ 99, 10.071,
140.255

■ 99, 9.957, 139.188

■ 99, 9.846, 138.094

Harmonies

Complementary

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



76, 47.830, 325.419



88, 47.775, 141.544

Rectangle

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



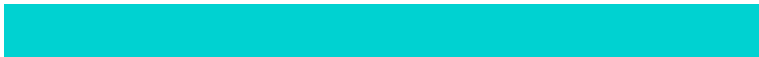
76, 47.830, 325.419



76, 47.830, 15.419



76, 47.830, 145.419



76, 47.830, 195.419

Sweetspot

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



76, 47.827, 325.419



94, 15.805, 324.257



70, 40.266, 292.936



49, 10.792, 324.335



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, 47.827, 325.419



78, 59.901, 325.727



75, 35.197, 344.809



47, 8.538, 324.226



43, 90.405, 327.197



10, 39.458, 327.340

Inverse Universe

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



74, 30.299, 20.189



75, 38.934, 21.107



88, 34.057, 158.936



47, 4.992, 17.811



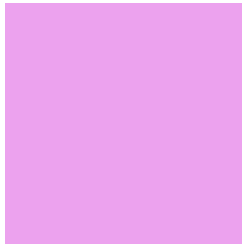
38, 80.524, 38.927



8, 29.695, 22.754

Previews

White Background



This preview shows how the CIELCh color 76, 47.830, 325.419 looks on a white background.

Color Contrast Check

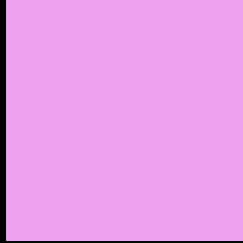
Large Text (above 18pt) WCAG AA × Fail

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, 47.830, 325.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

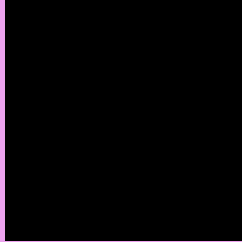
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 47.830, 325.419

Background



This preview shows how black text looks on a background with the CIELCh color 76, 47.830, 325.419.

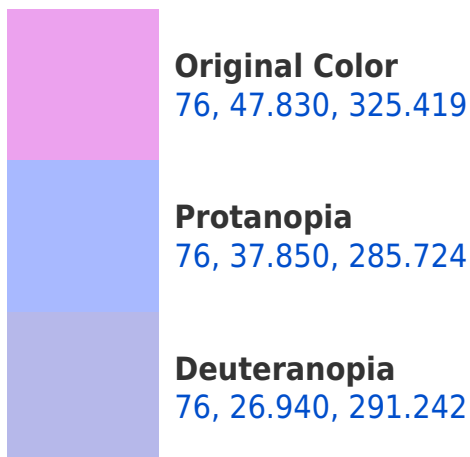


This preview shows how white text looks on a background with the CIELCh color 76, 47.830, 325.419.

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, 22.933, 2.509

Trichromacy



Original Color
76, 47.830, 325.419



Protanomaly
76, 39.317, 301.152



Deuteranomaly
76, 33.165, 308.277

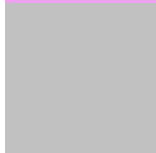


Tritanomaly
76, 30.625, 341.984

Monochromacy



Original Color
76, 47.830, 325.419



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 17.541, 325.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 47.830, 325.419 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(236, 162, 238)` looks like.

```
.text, #text, p{  
    color:rgb(236, 162, 238)  
}
```

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(236, 162, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 162, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 47.830, 325.419 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(236, 162, 238) }
```

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

```
.border{ border-color:rgb(236, 162, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 162, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 162, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 162, 238);  
box-shadow:4px 4px 4px 4px rgb(236, 162,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 47.830, 325.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 162, 238) }
```

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

```
.background{ background-color: rgb(236,  
162, 238) }
```

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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