

Converting Colors

CIELCh(77, 42.933, 320.990)

Have a look what the booklet for
CIELCh(77, 42.933, 320.990)
contains.

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Color

CIELCh(77, 42.916, 320.642)

Conversions

Conversions Part 1

Format	Color
Hex	E4AAF1
RGB	228, 170, 241
RGB Percent	89%, 67%, 95%
CMY	0.1063, 0.3337, 0.0553
CMYK	0.05, 0.29, 0.00, 0.06
HSL	289°, 72%, 81%
HSV	289°, 29%, 94%
XYZ	62.1773, 51.5317, 89.8039
YIQ	195.4360, 11.7770, 34.3770

Conversions

Conversions Part 2

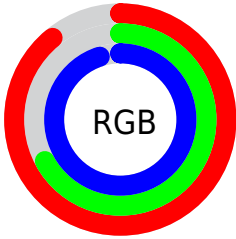
Format	Color
R _Y B	228, 170, 241
Decimal	14985969
CIE Lab	77.00, 33.18, -27.22
CIE LCh	77, 42.916, 320.642
Yxy	51.5317, 0.3055, 0.2532
Android (android.graphics.Color)	4293176049 (0xFFE4AAF1)
YUV	195.4360, 22.4631, 28.5586
Hunter-Lab	71.7856, 28.9833, -23.9219

Details

The CIELCh color $77, 42.916, 320.642$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $90, 42.397, 137.718$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 18.134, 325.054$, and $57, 43.104, 320.684$ is the 20% darker color. If you saturate the color by 10%, you get $71, 57.384, 321.069$, and if you desaturate by 10%, it is $83, 28.245, 320.188$.

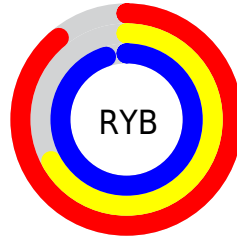
Distribution



Red (89%)

Green (67%)

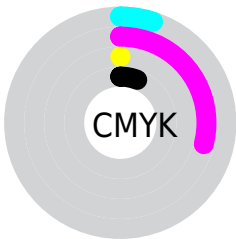
Blue (95%)



Red (89%)

Yellow (67%)

Blue (95%)

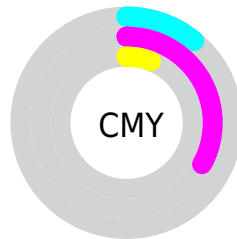


Cyan (5%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (11%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 42.916, 320.642 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 77, 42.916, 320.642 by changing the saturation by 10% instead.

 77, 42.916,
320.642

 77, 42.916,
320.642

 100, 42.916,
320.642


 67, 42.916,
320.642


 97, 42.916,
320.642

 57, 42.916,
320.642

 47, 42.916,
320.642

 37, 42.916,
320.642

 27, 42.916,
320.642

 17, 42.916,
320.642

 7, 42.916, 320.642

■ 0, 42.916, 320.642

■ 77, 42.916,
320.642

■ 77, 42.916,
320.642

■ 71, 57.384,
321.069

■ 83, 28.245,
320.188

■ 66, 71.277,
321.443

■ 89, 13.637,
319.722

■ 61, 84.072,
321.730

■ 95, 0.745, 139.621

■ 99, 7.934, 134.595

■ 57, 95.130,
321.889

■ 99, 7.386, 123.689

■ 54, 103.783,
321.877

■ 100, 7.147,
111.464

■ 51, 109.522,
321.653

■ 100, 7.141,
109.633

■ 50, 112.452,
321.218

■ 50, 112.579,
321.193

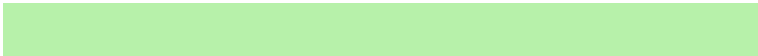
Harmonies

Complementary

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



77, 42.916, 320.642



90, 42.397, 137.718

Rectangle

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



77, 42.916, 320.642



77, 42.916, 10.642



77, 42.916, 140.642



77, 42.916, 190.642

Sweetspot

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



77, 42.914, 320.642



94, 13.568, 319.702



75, 31.435, 285.524



49, 9.440, 319.770



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 42.914, 320.642



78, 53.367, 320.887



78, 36.188, 337.157



47, 8.150, 319.723



38, 91.796, 321.305



8, 39.931, 322.216

Inverse Universe

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



77, 28.122, 7.824



77, 35.396, 8.696



89, 35.755, 152.542



47, 5.130, 5.364



38, 73.407, 30.667



8, 29.053, 16.302

Previews

White Background



This preview shows how the CIELCh color 77, 42.916, 320.642 looks on a white background.

Color Contrast Check

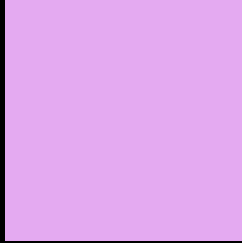
Large Text (above 18pt) WCAG AA × Fail

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 77, 42.916, 320.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

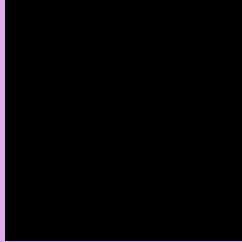
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.916, 320.642

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.916, 320.642.



This preview shows how white text looks on a background with the CIELCh color 77, 42.916, 320.642.

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


77, 42.916, 320.642

Protanopia

77, 35.608, 285.393

Deuteranopia

77, 27.396, 291.281



Tritanopia
77, 17.446, 355.578

Trichromacy



Original Color
77, 42.916, 320.642



Protanomaly
77, 36.871, 298.942



Deuteranomaly
77, 32.035, 304.951

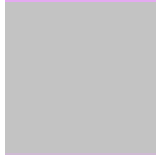


Tritanomaly
77, 25.220, 335.443

Monochromacy



Original Color
77, 42.916, 320.642



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 15.916, 319.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.916, 320.642 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(228, 170, 241)` looks like.

```
.text, #text, p{  
    color:rgb(228, 170, 241)  
}
```

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(228, 170, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 170, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.916, 320.642 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(228, 170, 241) }
```

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

```
.border{ border-color:rgb(228, 170, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 170, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 170, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 170, 241);  
box-shadow:4px 4px 4px 4px rgb(228, 170,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.916, 320.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 170, 241) }
```

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

```
.background{ background-color: rgb(228,  
170, 241) }
```

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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