

Converting Colors

CIELCh(75, 40.318, 299.219)

Have a look what the booklet for
CIELCh(75, 40.318, 299.219)
contains.

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Color

CIELCh(75, 40.318, 299.219)

Conversions

Conversions Part 1

Format	Color
Hex	BBAFF9
RGB	187, 175, 249
RGB Percent	73%, 69%, 98%
CMY	0.2652, 0.3123, 0.0220
CMYK	0.25, 0.30, 0.00, 0.02
HSL	250°, 87%, 83%
HSV	250°, 30%, 98%
XYZ	53.1466, 48.2781, 96.4600
YIQ	187.0240, -16.6020, 25.5580

Conversions

Conversions Part 2

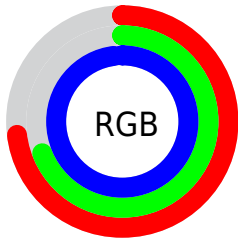
Format	Color
R _Y B	187, 175, 249
Decimal	12300281
CIE Lab	75.00, 19.68, -35.19
CIE LCh	75, 40.318, 299.219
Yxy	48.2781, 0.2686, 0.2440
Android (android.graphics.Color)	4290490361 (0xFFBBAFF9)
YUV	187.0240, 30.5542, -0.0210
Hunter-Lab	69.4824, 14.9389, -33.6724

Details

The CIELCh color $75, 40.318, 299.219$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $96, 37.628, 114.344$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 13.242, 310.910$, and $55, 39.868, 298.862$ is the 20% darker color. If you saturate the color by 10%, you get $67, 54.962, 300.402$, and if you desaturate by 10%, it is $83, 26.208, 298.182$.

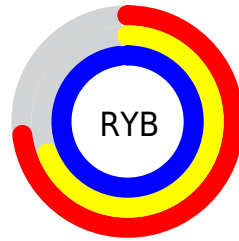
Distribution



Red (73%)

Green (69%)

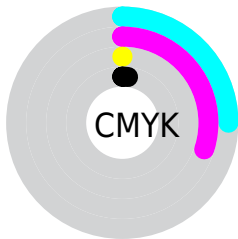
Blue (98%)



Red (73%)

Yellow (69%)

Blue (98%)

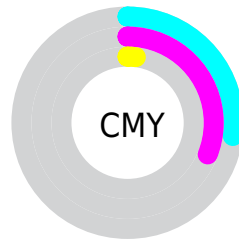


Cyan (25%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (27%)


Magenta (31%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.318, 299.219 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 75, 40.318, 299.219 by changing the saturation by 10% instead.


 75, 40.318,
299.219


 75, 40.318,
299.219


 100, 40.318,
299.219


 65, 40.318,
299.219


 95, 40.318,
299.219


 55, 40.318,
299.219

 45, 40.318,
299.219

 35, 40.318,
299.219

 25, 40.318,
299.219

 15, 40.318,
299.219

 5, 40.318, 299.219

■ 0, 40.318, 299.219

■ 75, 40.318,
299.219

■ 75, 40.318,
299.219

■ 67, 54.962,
300.402

■ 83, 26.208,
298.182

■ 60, 70.067,
301.724

■ 91, 12.644,
297.284

■ 52, 85.392,
303.141

■ 98, 0.396, 116.504

■ 46, 100.378,
304.559

■ 100, 2.833,
109.939

■ 40, 113.915,
305.798

■ 35, 124.283,
306.610

■ 33, 130.211,
306.859

■ 33, 130.367,
306.867

Harmonies

Complementary

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



75, 40.318, 299.219



96, 37.628, 114.344

Rectangle

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



75, 40.318, 299.219



75, 40.318, 349.219



75, 40.318, 119.219



75, 40.318, 169.219

Sweetspot

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



75, 40.316, 299.219



93, 11.952, 297.229



90, 20.764, 214.422



48, 8.328, 297.350



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 40.316, 299.219



72, 50.415, 299.955



78, 42.888, 315.421



48, 7.433, 297.269



23, 105.573, 306.961



4, 42.469, 304.193

Inverse Universe

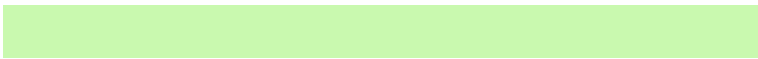
The Inverse Universe completely reimagines the original color for something new.



80, 41.685, 331.092



78, 51.277, 331.508



93, 41.741, 132.742



49, 7.963, 329.796



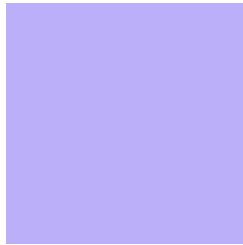
43, 81.177, 335.959



11, 37.310, 334.830

Previews

White Background



This preview shows how the CIELCh color 75, 40.318, 299.219 looks on a white background.

Color Contrast Check

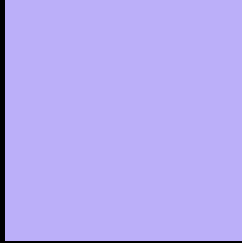
Large Text (above 18pt) WCAG AA × Fail

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 75, 40.318, 299.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

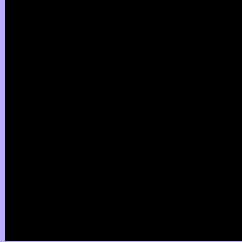
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 40.318, 299.219

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.318, 299.219.



This preview shows how white text looks on a background with the CIELCh color 75, 40.318, 299.219.

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
75, 8.423, 273.780

Trichromacy



Original Color
75, 40.318, 299.219

Protanomaly
75, 39.430, 290.201

Deuteranomaly
75, 37.270, 290.711

Tritanomaly
75, 20.019, 292.048

Monochromacy



Original Color
75, 40.318, 299.219

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 14.674, 297.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.318, 299.219 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(187, 175, 249)` looks like.

```
.text, #text, p{  
    color:rgb(187, 175, 249)  
}
```

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(187, 175, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 175, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.318, 299.219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

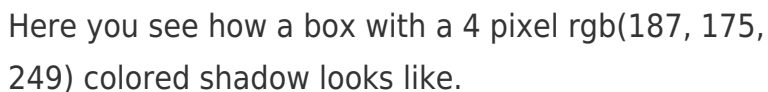
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 175, 249) }
```

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

```
.border{ border-color:rgb(187, 175, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 175, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 175, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 175, 249);  
box-shadow:4px 4px 4px 4px rgb(187, 175,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.318, 299.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 175, 249) }
```

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

```
.background{ background-color: rgb(187,  
175, 249) }
```

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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