

Converting Colors

CIELCh(75, 33.307, 299.983)

Have a look what the booklet for
CIELCh(75, 33.307, 299.983)
contains.

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Color

CIELCh(75, 33.320, 299.959)

Conversions

Conversions Part 1

Format	Color
Hex	BDB1EE
RGB	189, 177, 238
RGB Percent	74%, 69%, 93%
CMY	0.2599, 0.3069, 0.0678
CMYK	0.21, 0.26, 0.00, 0.07
HSL	252°, 64%, 81%
HSV	252°, 26%, 93%
XYZ	51.9779, 48.2781, 87.2485
YIQ	187.5420, -12.4290, 21.5150

Conversions

Conversions Part 2

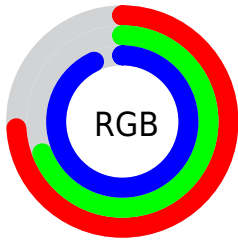
Format	Color
RYB	189, 177, 238
Decimal	12431854
CIELab	75.00, 16.64, -28.87
CIELCh	75, 33.320, 299.959
Yxy	48.2781, 0.2772, 0.2575
Android (android.graphics.Color)	4290621934 (0xFFBDB1EE)
YUV	187.5420, 24.8758, 1.2787
Hunter-Lab	69.4824, 11.9365, -25.8122

Details

The CIELCh color $75, 33.320, 299.959$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92, 31.479, 116.086$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 12.261, 312.531$, and $55, 33.667, 300.300$ is the 20% darker color. If you saturate the color by 10%, you get $68, 47.200, 300.996$, and if you desaturate by 10%, it is $82, 19.942, 299.049$.

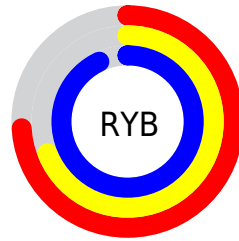
Distribution



Red (74%)

Green (69%)

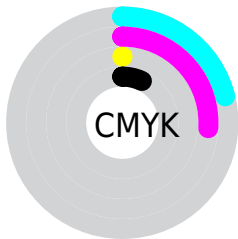
Blue (93%)



Red (74%)

Yellow (69%)

Blue (93%)

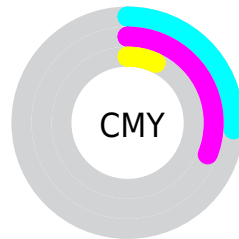


Cyan (21%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (26%)


Magenta (31%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.320, 299.959 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, 33.320, 299.959 by changing the saturation by 10% instead.


 75, 33.320,
299.959


 75, 33.320,
299.959


 100, 33.320,
299.959


 65, 33.320,
299.959


 95, 33.320,
299.959

 55, 33.320,
299.959

 45, 33.320,
299.959

 35, 33.320,
299.959

 25, 33.320,
299.959

 15, 33.320,
299.959

 5, 33.320, 299.959

■ 0, 33.320, 299.959

■ 75, 33.320,
299.959

■ 75, 33.320,
299.959

■ 68, 47.200,
300.996

■ 82, 19.942,
299.049

■ 60, 61.535,
302.157

■ 90, 7.070, 298.260

■ 53, 76.160,
303.415

■ 97, 5.315, 117.584

■ 46, 90.681,
304.702

■ 100, 8.749,
109.514

■ 40, 104.295,
305.885

■ 36, 115.637,
306.758

■ 32, 123.051,
307.090

■ 31, 125.227,
307.127

Harmonies

Complementary

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



75, 33.320, 299.959



92, 31.479, 116.086

Rectangle

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



75, 33.320, 299.959



75, 33.320, 349.959



75, 33.320, 119.959



75, 33.320, 169.959

Sweetspot

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



75, 33.318, 299.958



94, 10.636, 298.437



87, 17.181, 218.439



49, 7.579, 298.553



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, 33.318, 299.958



76, 43.072, 300.509



78, 35.795, 316.304



46, 7.204, 298.549



23, 103.021, 307.233



3, 38.379, 303.308

Inverse Universe

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



79, 33.868, 332.049



81, 43.267, 332.421



90, 35.064, 134.009



47, 7.510, 330.975



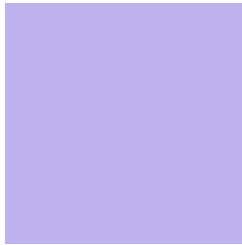
42, 77.520, 337.948



9, 34.544, 336.343

Previews

White Background



This preview shows how the CIELCh color 75, 33.320, 299.959 looks on a white background.

Color Contrast Check

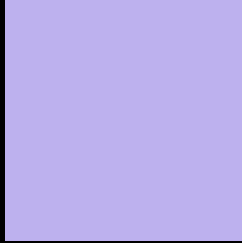
Large Text (above 18pt) WCAG AA × Fail

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, 33.320, 299.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

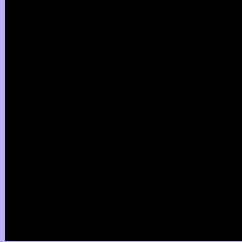
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 33.320, 299.959

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.320, 299.959.



This preview shows how white text looks on a background with the CIELCh color 75, 33.320, 299.959.

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

75, 33.320, 299.959

Protanopia

75, 32.537, 285.934

Deuteranopia

75, 30.276, 289.310



Tritanopia
75, 8.122, 285.894

Trichromacy



Original Color
75, 33.320, 299.959

Protanomaly
75, 32.432, 290.903

Deuteranomaly
75, 31.391, 293.660

Tritanomaly
75, 17.365, 295.231

Monochromacy



Original Color
75, 33.320, 299.959

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 12.044, 299.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.320, 299.959 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(189, 177, 238)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 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(189, 177, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.320, 299.959 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(189, 177, 238) }
```

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

```
.border{ border-color:rgb(189, 177, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 177, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 177, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 177, 238);  
box-shadow:4px 4px 4px 4px rgb(189, 177,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.320, 299.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 238) }
```

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

```
.background{ background-color: rgb(189,  
177, 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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