

Converting Colors

CIELCh(75, 33.816, 299.327)

Have a look what the booklet for
CIELCh(75, 33.816, 299.327)
contains.

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Color

CIELCh(75, 33.816, 299.327)

Conversions

Conversions Part 1

Format	Color
Hex	BCB1EF
RGB	188, 177, 239
RGB Percent	74%, 69%, 94%
CMY	0.2633, 0.3065, 0.0634
CMYK	0.21, 0.26, 0.00, 0.06
HSL	251°, 66%, 82%
HSV	251°, 26%, 94%
XYZ	51.9487, 48.2781, 88.1168
YIQ	187.3570, -13.3460, 21.6140

Conversions

Conversions Part 2

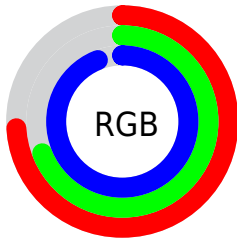
Format	Color
R _Y B	188, 177, 239
Decimal	12366319
CIE Lab	75.00, 16.56, -29.48
CIE LCh	75, 33.816, 299.327
Yxy	48.2781, 0.2758, 0.2563
Android (android.graphics.Color)	4290556399 (0xFFBCB1EF)
YUV	187.3570, 25.4600, 0.5639
Hunter-Lab	69.4824, 11.8616, -26.5531

Details

The CIELCh color `75, 33.816, 299.327` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 31.895, 115.258`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 12.136, 311.002`, and `55, 34.200, 299.675` is the 20% darker color. If you saturate the color by 10%, you get `68, 47.763, 300.414`, and if you desaturate by 10%, it is `82, 20.383, 298.376`.

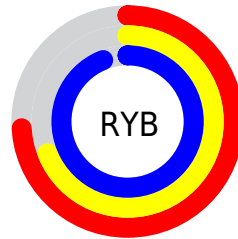
Distribution



Red (74%)

Green (69%)

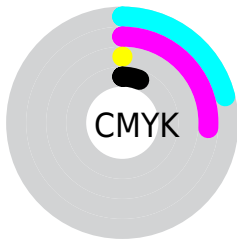
Blue (94%)



Red (74%)

Yellow (69%)

Blue (94%)

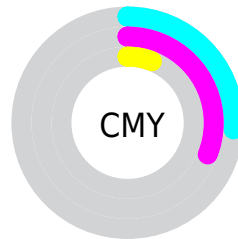


Cyan (21%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (26%)


Magenta (31%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.816, 299.327 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, 33.816, 299.327 by changing the saturation by 10% instead.


 75, 33.816,
299.327


 75, 33.816,
299.327


 100, 33.816,
299.327


 65, 33.816,
299.327


 95, 33.816,
299.327

 55, 33.816,
299.327

 45, 33.816,
299.327

 35, 33.816,
299.327

 25, 33.816,
299.327

 15, 33.816,
299.327

 5, 33.816, 299.327

0, 33.816, 299.327

75, 33.816,
299.327

75, 33.816,
299.327

68, 47.763,
300.414

82, 20.383,
298.376

60, 62.181,
301.636

90, 7.466, 297.553

53, 76.908,
302.966

97, 4.959, 116.847

100, 8.181,
109.556

46, 91.544,
304.332

40, 105.256,
305.595

35, 116.625,
306.537

■ 32,123.938,
306.920

■ 31,125.951,
306.981

Harmonies

Complementary

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



75, 33.816, 299.327



92, 31.895, 115.258

Rectangle

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



75, 33.816, 299.327



75, 33.816, 349.327



75, 33.816, 119.327



75, 33.816, 169.327

Sweetspot

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



75, 33.814, 299.326



94, 10.618, 297.714



88, 17.596, 216.347



49, 7.567, 297.834



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, 33.814, 299.326



76, 43.023, 299.870



78, 36.233, 315.785



46, 7.191, 297.829



23, 103.256, 307.080



3, 38.312, 302.860

Inverse Universe

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



79, 34.860, 331.376



81, 43.845, 331.717



90, 35.437, 133.469



47, 7.613, 330.305



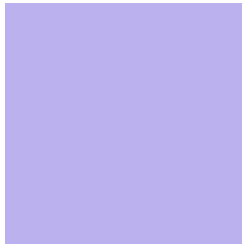
42, 78.650, 336.805



9, 34.985, 335.410

Previews

White Background



This preview shows how the CIELCh color 75, 33.816, 299.327 looks on a white background.

Color Contrast Check

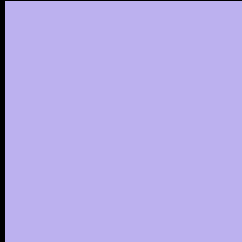
Large Text (above 18pt) WCAG AA × Fail

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, 33.816, 299.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

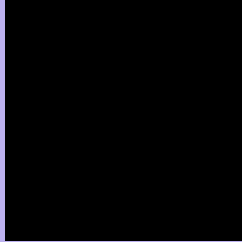
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 33.816, 299.327

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.816, 299.327.



This preview shows how white text looks on a background with the CIELCh color 75, 33.816, 299.327.

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, 33.816, 299.327

Protanopia

75, 33.099, 285.590

Deuteranopia

75, 30.827, 288.843



Tritanopia
75, 8.155, 283.396

Trichromacy



Original Color
75, 33.816, 299.327

Protanomaly
75, 32.977, 290.446

Deuteranomaly
75, 31.922, 293.118

Tritanomaly
75, 17.343, 294.088

Monochromacy



Original Color
75, 33.816, 299.327

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 12.529, 297.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.816, 299.327 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(188, 177, 239)` looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 239)  
}
```

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(188, 177, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.816, 299.327 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(188, 177, 239) }
```

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

```
.border{ border-color:rgb(188, 177, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 177, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 177, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 177, 239);  
box-shadow:4px 4px 4px 4px rgb(188, 177,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.816, 299.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 239) }
```

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

```
.background{ background-color: rgb(188,  
177, 239) }
```

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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