

Converting Colors

CIELCh(76, 33.452, 296.728)

Have a look what the booklet for
CIELCh(76, 33.452, 296.728)
contains.

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Color

CIELCh(76, 33.008, 296.535)

Conversions

Conversions Part 1

Format	Color
Hex	BBB5F2
RGB	187, 181, 242
RGB Percent	73%, 71%, 95%
CMY	0.2676, 0.2911, 0.0519
CMYK	0.23, 0.25, 0.00, 0.05
HSL	246°, 70%, 83%
HSV	246°, 25%, 95%
XYZ	52.9051, 49.8872, 90.6556
YIQ	189.7480, -16.0050, 20.2430

Conversions

Conversions Part 2

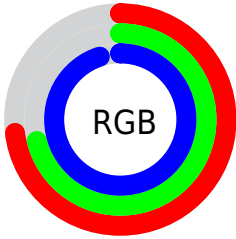
Format	Color
R _Y B	187, 181, 242
Decimal	12301810
CIE Lab	76.00, 14.75, -29.53
CIE LCh	76, 33.008, 296.535
Yxy	49.8872, 0.2735, 0.2579
Android (android.graphics.Color)	4290491890 (0xFFBBB5F2)
YUV	189.7480, 25.7602, -2.4100
Hunter-Lab	70.6309, 10.0989, -26.6577

Details

The CIELCh color `76, 33.008, 296.535` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 31.108, 111.961`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 9.610, 305.448`, and `56, 33.335, 296.816` is the 20% darker color. If you saturate the color by 10%, you get `68, 47.054, 297.818`, and if you desaturate by 10%, it is `84, 19.519, 295.428`.

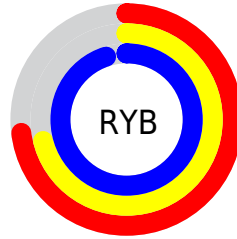
Distribution



Red (73%)

Green (71%)

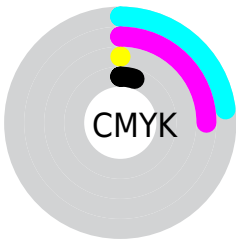
Blue (95%)



Red (73%)

Yellow (71%)

Blue (95%)

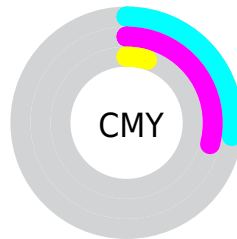


Cyan (23%)

Magenta (25%)

Yellow (0%)

Black (5%)



Cyan (27%)


Magenta (29%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 33.008, 296.535 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, 33.008, 296.535 by changing the saturation by 10% instead.


 76, 33.008,
296.535


 76, 33.008,
296.535


 100, 33.008,
296.535


 66, 33.008,
296.535


 96, 33.008,
296.535

 56, 33.008,
296.535

 46, 33.008,
296.535

 36, 33.008,
296.535

 26, 33.008,
296.535

 16, 33.008,
296.535

 6, 33.008, 296.535

■ 0, 33.008, 296.535

■ 76, 33.008,
296.535

■ 76, 33.008,
296.535

■ 68, 47.054,
297.818

■ 84, 19.519,
295.428

■ 61, 61.645,
299.285

■ 91, 6.572, 294.483

■ 53, 76.656,
300.916

■ 99, 5.869, 113.664

■ 100, 6.701,
109.665

■ 46, 91.726,
302.637

■ 40, 106.021,
304.292

■ 35, 118.002,
305.627

■ 32,125.714,
306.357

■ 31,127.982,
306.545

Harmonies

Complementary

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



76, 33.008, 296.535



94, 31.108, 111.961

Rectangle

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



76, 33.008, 296.535



76, 33.008, 346.535



76, 33.008, 116.535



76, 33.008, 166.535

Sweetspot

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



76, 33.006, 296.534



94, 10.560, 294.732



90, 18.447, 206.539



49, 7.526, 294.871



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, 33.006, 296.534



76, 41.403, 297.135



78, 34.948, 313.048



46, 7.153, 294.866



22, 104.008, 306.611



3, 38.064, 301.041

Inverse Universe

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



81, 36.138, 328.690



82, 44.817, 328.980



92, 33.974, 130.785



47, 8.048, 327.745



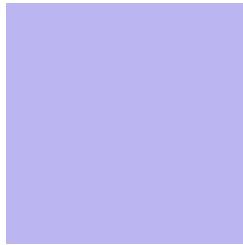
43, 83.601, 332.574



10, 36.887, 331.914

Previews

White Background



This preview shows how the CIELCh color 76, 33.008, 296.535 looks on a white background.

Color Contrast Check

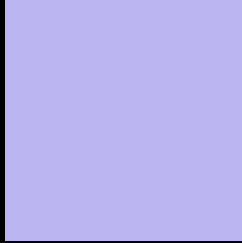
Large Text (above 18pt) WCAG AA × Fail

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, 33.008, 296.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

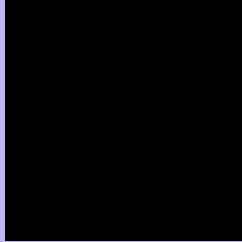
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 33.008, 296.535

Background



This preview shows how black text looks on a background with the CIELCh color 76, 33.008, 296.535.



This preview shows how white text looks on a background with the CIELCh color 76, 33.008, 296.535.

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

76, 33.008, 296.535

Protanopia

76, 32.474, 285.335

Deuteranopia

76, 30.736, 288.793



Tritanopia
76, 8.616, 269.274

Trichromacy



Original Color
76, 33.008, 296.535

Protanomaly
76, 32.890, 289.850

Deuteranomaly
76, 31.257, 291.841

Tritanomaly
76, 17.263, 288.360

Monochromacy



Original Color
76, 33.008, 296.535

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 11.874, 294.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 33.008, 296.535 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, 181, 242)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 242)  
}
```

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, 181, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 33.008, 296.535 is called "border". The border property can be set on classes, ids or directly on the HTML element.

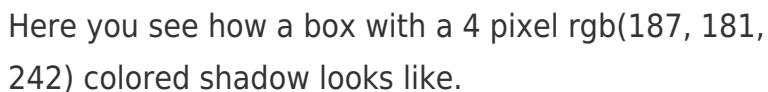
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 181, 242) }
```

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

```
.border{ border-color:rgb(187, 181, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 181, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 242);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 33.008, 296.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 242) }
```

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

```
.background{ background-color: rgb(187,  
181, 242) }
```

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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