

Converting Colors

CIELCh(75, 17.071, 299.016)

Have a look what the booklet for
CIELCh(75, 17.071, 299.016)
contains.

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Color

CIELCh(75, 16.935, 298.841)

Conversions

Conversions Part 1

Format	Color
Hex	BBB5D4
RGB	187, 181, 212
RGB Percent	73%, 71%, 83%
CMY	0.2673, 0.2908, 0.1692
CMYK	0.12, 0.15, 0.00, 0.17
HSL	252°, 26%, 77%
HSV	252°, 15%, 83%
XYZ	48.8140, 48.2781, 68.9312
YIQ	186.3280, -6.3750, 10.9130

Conversions

Conversions Part 2

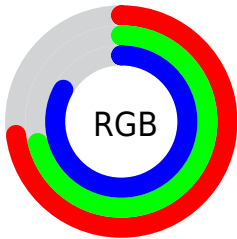
Format	Color
R_{YB}	187, 181, 212
Decimal	12301780
CIE _{Lab}	75.00, 8.17, -14.83
CIE _{LCh}	75, 16.935, 298.841
Yxy	48.2781, 0.2940, 0.2908
Android (android.graphics.Color)	4290491860 (0xFFBBB5D4)
YUV	186.3280, 12.6563, 0.5893
Hunter-Lab	69.4824, 3.8087, -10.1819

Details

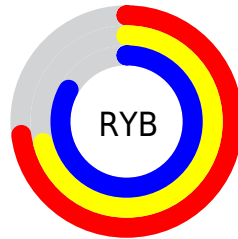
The CIELCh color $75, 16.935, 298.841$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $84, 16.413, 116.737$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 9.526, 303.435$, and $55, 16.880, 299.615$ is the 20% darker color. If you saturate the color by 10%, you get $68, 29.060, 299.733$, and if you desaturate by 10%, it is $82, 5.263, 298.062$.

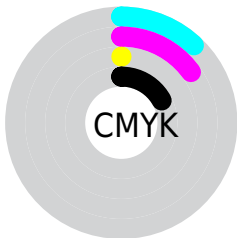
Distribution



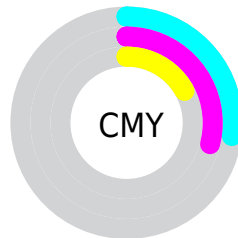
- Red (73%)
- Green (71%)
- Blue (83%)



- Red (73%)
- Yellow (71%)
- Blue (83%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (27%)
- Magenta (29%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 16.935, 298.841 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, 16.935, 298.841 by changing the saturation by 10% instead.


 75, 16.935,
298.841


 75, 16.935,
298.841


 100, 16.935,
298.841


 65, 16.935,
298.841


 95, 16.935,
298.841

 55, 16.935,
298.841

 45, 16.935,
298.841

 35, 16.935,
298.841

 25, 16.935,
298.841

 15, 16.935,
298.841

 5, 16.935, 298.841

■ 0, 16.935, 298.841

■ 75, 16.935,
298.841

■ 75, 16.935,
298.841

■ 68, 29.060,
299.733

■ 82, 5.263, 298.062

■ 61, 41.646,
300.755

■ 88, 5.969, 117.397

■ 55, 54.655,
301.902

■ 95, 16.789,
116.821

■ 48, 67.959,
303.153

■ 99, 21.801,
108.526

■ 42, 81.242,
304.446

■ 36, 93.845,
305.662

■ 32, 104.613,
306.607

■ 29, 112.042,
307.048

■ 27, 114.791,
307.145

Harmonies

Complementary

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



75, 16.935, 298.841



84, 16.413, 116.737

Rectangle

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



75, 16.935, 298.841



75, 16.935, 348.841



75, 16.935, 118.841



75, 16.935, 168.841

Sweetspot

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



75, 16.933, 298.839



97, 5.281, 298.020



81, 9.245, 217.974



51, 3.757, 298.075



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, 16.933, 298.839



86, 24.381, 299.143



76, 18.408, 315.809



41, 6.564, 298.421



21, 97.655, 307.242



2, 27.834, 298.845

Inverse Universe

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



77, 17.583, 331.195



89, 25.184, 331.428



83, 18.189, 134.572



42, 6.862, 330.855



39, 73.723, 337.695



6, 28.582, 335.568

Previews

White Background



This preview shows how the CIELCh color 75, 16.935, 298.841 looks on a white background.

Color Contrast Check

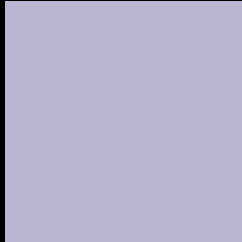
Large Text (above 18pt) WCAG AA × Fail

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, 16.935, 298.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

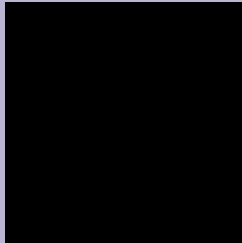
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 16.935, 298.841

Background



This preview shows how black text looks on a background with the CIELCh color 75, 16.935, 298.841.



This preview shows how white text looks on a background with the CIELCh color 75, 16.935, 298.841.

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, 16.935, 298.841

Protanopia

75, 16.240, 286.828

Deuteranopia

75, 17.653, 302.056



Tritanopia
75, 8.124, 293.484

Trichromacy



Original Color
75, 16.935, 298.841

Protanomaly
75, 16.762, 291.747

Deuteranomaly
75, 17.591, 300.929

Tritanomaly
75, 11.426, 296.605

Monochromacy



Original Color
75, 16.935, 298.841

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 5.998, 297.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 16.935, 298.841 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 16.935, 298.841 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, 212) }
```

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

```
.border{ border-color:rgb(187, 181, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 212);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 16.935, 298.841 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, 212) }
```

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

```
.background{ background-color: rgb(187,  
181, 212) }
```

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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