

Converting Colors

CIELCh(75, 16.666, 303.871)

Have a look what the booklet for
CIELCh(75, 16.666, 303.871)
contains.

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Color

CIELCh(75, 16.666, 303.871)

Conversions

Conversions Part 1

Format	Color
Hex	BEB4D2
RGB	190, 180, 210
RGB Percent	75%, 71%, 82%
CMY	0.2547, 0.2939, 0.1762
CMYK	0.10, 0.14, 0.00, 0.18
HSL	260°, 25%, 76%
HSV	260°, 14%, 82%
XYZ	49.2245, 48.2781, 67.7379
YIQ	186.4100, -3.6700, 11.4500

Conversions

Conversions Part 2

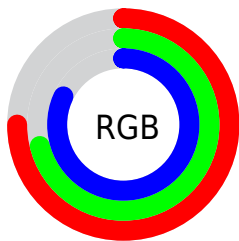
Format	Color
R_{YB}	190, 180, 210
Decimal	12498130
CIE _{Lab}	75.00, 9.29, -13.84
CIE _{LCh}	75, 16.666, 303.871
Yxy	48.2781, 0.2979, 0.2922
Android (android.graphics.Color)	4290688210 (0xFFBEB4D2)
YUV	186.4100, 11.6299, 3.1484
Hunter-Lab	69.4824, 4.8633, -9.1637

Details

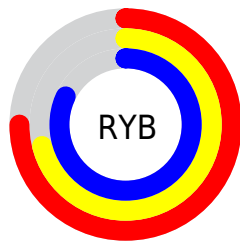
The CIELCh color $75, 16.666, 303.871$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $83, 16.232, 122.274$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 10.422, 310.294$, and $55, 17.164, 304.531$ is the 20% darker color. If you saturate the color by 10%, you get $69, 28.816, 304.541$, and if you desaturate by 10%, it is $81, 4.916, 303.266$.

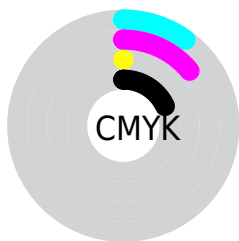
Distribution



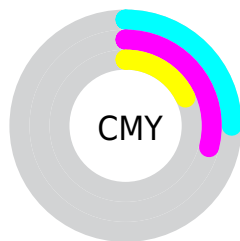
- Red (75%)
- Green (71%)
- Blue (82%)



- Red (75%)
- Yellow (71%)
- Blue (82%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)





- Cyan (25%)
- Magenta (29%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 16.666, 303.871 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, 16.666, 303.871 by changing the saturation by 10% instead.


 75, 16.666,
303.871


 75, 16.666,
303.871


 100, 16.666,
303.871


 65, 16.666,
303.871


 95, 16.666,
303.871

 55, 16.666,
303.871

 45, 16.666,
303.871

 35, 16.666,
303.871

 25, 16.666,
303.871

 15, 16.666,
303.871

 5, 16.666, 303.871

0, 16.666, 303.871

75, 16.666,
303.871

75, 16.666,
303.871

69, 28.816,
304.541

81, 4.916, 303.266

88, 6.429, 122.767

62, 41.347,
305.287

94, 17.383,
122.306

56, 54.177,
306.094

98, 22.972,
116.716

50, 67.131,
306.935

99, 22.696,
108.458

44, 79.858,
307.750

38, 91.728,
308.442

■ 34, 101.764,
308.865

■ 31, 108.801,
308.848

■ 29, 111.650,
308.702

Harmonies

Complementary

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



75, 16.666, 303.871



83, 16.232, 122.274

Rectangle

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



75, 16.666, 303.871



75, 16.666, 353.871



75, 16.666, 123.871



75, 16.666, 173.871

Sweetspot

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



75, 16.664, 303.869



97, 5.374, 303.252



80, 8.661, 234.928



51, 3.823, 303.296



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, 16.664, 303.869



87, 23.331, 304.057



76, 18.471, 319.936



41, 6.542, 303.568



23, 94.489, 308.852



2, 26.060, 301.788

Inverse Universe

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



76, 15.439, 336.662



89, 21.548, 336.887



82, 18.349, 138.626



41, 6.088, 336.290



37, 66.351, 347.234



5, 24.111, 342.926

Previews

White Background



This preview shows how the CIELCh color 75, 16.666, 303.871 looks on a white background.

Color Contrast Check

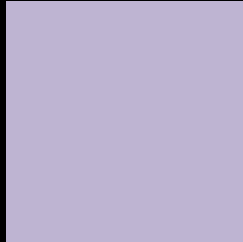
Large Text (above 18pt) WCAG AA × Fail

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, 16.666, 303.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

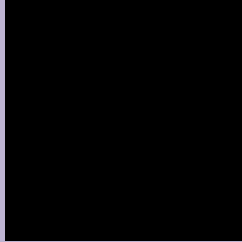
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 16.666, 303.871

Background



This preview shows how black text looks on a background with the CIELCh color 75, 16.666, 303.871.



This preview shows how white text looks on a background with the CIELCh color 75, 16.666, 303.871.

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, 16.666, 303.871

Protanopia

75, 15.683, 287.853

Deuteranopia

75, 16.746, 305.059



Tritanopia
75, 8.429, 305.870

Trichromacy



Original Color
75, 16.666, 303.871

Protanomaly
75, 15.708, 294.188

Deuteranomaly
75, 16.746, 305.059

Tritanomaly
75, 11.759, 305.342

Monochromacy



Original Color
75, 16.666, 303.871

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 6.057, 301.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 16.666, 303.871 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(190, 180, 210)` looks like.

```
.text, #text, p{  
    color:rgb(190, 180, 210)  
}
```

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(190, 180, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 180, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 16.666, 303.871 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(190, 180, 210) }
```

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

```
.border{ border-color:rgb(190, 180, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 180, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 180, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 180, 210);  
box-shadow:4px 4px 4px 4px rgb(190, 180,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 16.666, 303.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 180, 210) }
```

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

```
.background{ background-color: rgb(190,  
180, 210) }
```

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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