

Converting Colors

CIELCh(75, 34.932, 310.332)

Have a look what the booklet for
CIELCh(75, 34.932, 310.332)
contains.

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Color

CIELCh(75, 35.272, 310.349)

Conversions

Conversions Part 1

Format	Color
Hex	CBACEA
RGB	203, 172, 234
RGB Percent	80%, 67%, 92%
CMY	0.2030, 0.3246, 0.0814
CMYK	0.13, 0.26, 0.00, 0.08
HSL	270°, 60%, 80%
HSV	270°, 26%, 92%
XYZ	54.3773, 48.2781, 84.4792
YIQ	188.3370, -1.4260, 25.8540

Conversions

Conversions Part 2

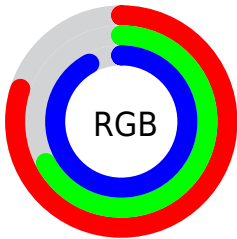
Format	Color
R _{YB}	203, 172, 234
Decimal	13348074
CIE _{Lab}	75.00, 22.84, -26.88
CIE _{LCh}	75, 35.272, 310.349
Y _{xy}	48.2781, 0.2906, 0.2580
Android (android.graphics.Color)	4291538154 (0xFFCBACEA)
YUV	188.3370, 22.5119, 12.8595
Hunter-Lab	69.4824, 18.1006, -23.4491

Details

The CIELCh color $75, 35.272, 310.349$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $89, 33.993, 127.839$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 16.877, 325.009$, and $55, 35.534, 310.399$ is the 20% darker color. If you saturate the color by 10%, you get $68, 49.133, 310.892$, and if you desaturate by 10%, it is $82, 21.659, 309.829$.

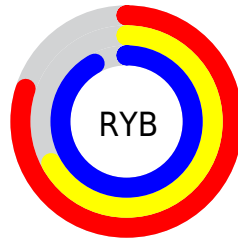
Distribution



Red (80%)

Green (67%)

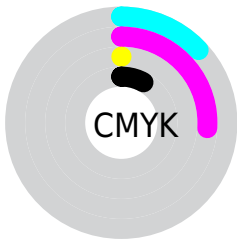
Blue (92%)



Red (80%)

Yellow (67%)

Blue (92%)

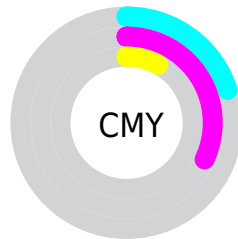


Cyan (13%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (20%)


Magenta (32%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 35.272, 310.349 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, 35.272, 310.349 by changing the saturation by 10% instead.


 75, 35.272,
310.349


 75, 35.272,
310.349


 100, 35.272,
310.349


 65, 35.272,
310.349


 95, 35.272,
310.349

 55, 35.272,
310.349

 45, 35.272,
310.349

 35, 35.272,
310.349

 25, 35.272,
310.349

 15, 35.272,
310.349

 5, 35.272, 310.349

0, 35.272, 310.349

75, 35.272,
310.349

75, 35.272,
310.349

68, 49.133,
310.892

82, 21.659,
309.829

62, 63.070,
311.438

88, 8.393, 309.341

56, 76.767,
311.944

95, 4.488, 128.952

50, 89.708,
312.349

99, 10.675,
118.882

45, 101.129,
312.561

100, 10.505,
109.383

41, 110.074,
312.465

■ 38,115.720,
311.955

■ 37,117.212,
311.727

Harmonies

Complementary

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



75, 35.272, 310.349



89, 33.993, 127.839

Rectangle

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



75, 35.272, 310.349



75, 35.272, 0.349



75, 35.272, 130.349



75, 35.272, 180.349

Sweetspot

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



75, 35.270, 310.349



94, 11.136, 309.416



81, 19.044, 259.477



49, 7.931, 309.489



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, 35.270, 310.349



77, 45.976, 310.655



78, 39.503, 325.885



46, 7.405, 309.485



28, 96.475, 311.914



4, 37.678, 311.612

Inverse Universe

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



77, 28.178, 346.076



80, 36.562, 346.708



87, 39.496, 142.635



46, 5.960, 344.402



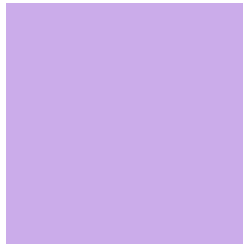
39, 65.540, 1.934



8, 28.608, 355.214

Previews

White Background



This preview shows how the CIELCh color 75, 35.272, 310.349 looks on a white background.

Color Contrast Check

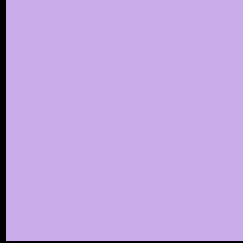
Large Text (above 18pt) WCAG AA × Fail

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, 35.272, 310.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

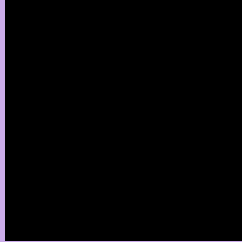
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 35.272, 310.349

Background



This preview shows how black text looks on a background with the CIELCh color 75, 35.272, 310.349.



This preview shows how white text looks on a background with the CIELCh color 75, 35.272, 310.349.

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, 35.272, 310.349

Protanopia
75, 32.007, 285.180

Deuteranopia
75, 27.563, 290.682



Tritanopia
75, 9.860, 330.212

Trichromacy



Original Color
75, 35.272, 310.349

Protanomaly
75, 32.474, 294.297

Deuteranomaly
75, 29.975, 298.610

Tritanomaly
75, 19.087, 315.972

Monochromacy



Original Color
75, 35.272, 310.349

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 12.559, 309.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 35.272, 310.349 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(203, 172, 234)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 234)  
}
```

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(203, 172, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 35.272, 310.349 is called "border". The border property can be set on classes, ids or directly on the HTML element.

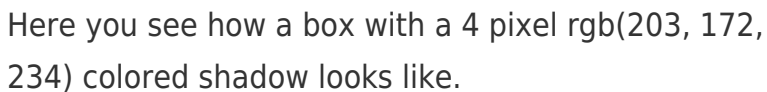
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 172, 234) }
```

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

```
.border{ border-color:rgb(203, 172, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 172, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 35.272, 310.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 234) }
```

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

```
.background{ background-color: rgb(203,  
172, 234) }
```

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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