

Converting Colors

CIELCh(70, 48.643, 305.318)

Have a look what the booklet for
CIELCh(70, 48.643, 305.318)
contains.

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Color

CIELCh(70, 48.737, 305.432)

Conversions

Conversions Part 1

Format	Color
Hex	B99CF3
RGB	185, 156, 243
RGB Percent	73%, 61%, 95%
CMY	0.2730, 0.3868, 0.0456
CMYK	0.24, 0.36, 0.00, 0.05
HSL	260°, 79%, 78%
HSV	260°, 36%, 95%
XYZ	48.2798, 40.7494, 90.4177
YIQ	174.5890, -10.6430, 33.2050

Conversions

Conversions Part 2

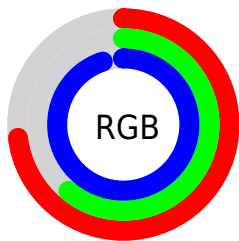
Format	Color
R _{YB}	185, 156, 243
Decimal	12164339
CIE Lab	70.00, 28.25, -39.71
CIE LCh	70, 48.737, 305.432
Yxy	40.7494, 0.2690, 0.2271
Android (android.graphics.Color)	4290354419 (0xFFB99CF3)
YUV	174.5890, 33.7266, 9.1304
Hunter-Lab	63.8353, 23.2910, -39.2950

Details

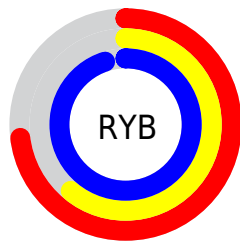
The CIELCh color $70, 48.737, 305.432$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $92, 45.397, 121.064$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 25.436, 316.609$, and $50, 48.772, 305.548$ is the 20% darker color. If you saturate the color by 10%, you get $63, 63.239, 306.255$, and if you desaturate by 10%, it is $77, 34.547, 304.668$.

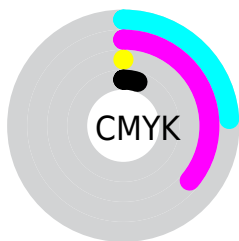
Distribution



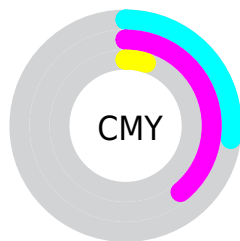
- Red (73%)
- Green (61%)
- Blue (95%)



- Red (73%)
- Yellow (61%)
- Blue (95%)



- Cyan (24%)
- Magenta (36%)
- Yellow (0%)
- Black (5%)





- Cyan (27%)
- Magenta (39%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 48.737, 305.432 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 70, 48.737, 305.432 by changing the saturation by 10% instead.


 70, 48.737,
305.432


 70, 48.737,
305.432


 100, 48.737,
305.432


 60, 48.737,
305.432


 90, 48.737,
305.432

 50, 48.737,
305.432

 40, 48.737,
305.432

 30, 48.737,
305.432

 20, 48.737,
305.432

 10, 48.737,
305.432

 0, 48.737, 305.432

70, 48.737,
305.432

70, 48.737,
305.432

63, 63.239,
306.255

77, 34.547,
304.668

56, 77.826,
307.103

85, 20.778,
303.978

50, 92.042,
307.909

92, 7.467, 303.360

44, 105.089,
308.564

99, 5.385, 122.846

100, 5.879,
109.725

39, 115.772,
308.907

36, 122.788,
308.771

34, 124.872,
308.622

Harmonies

Complementary

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



70, 48.737, 305.432



92, 45.397, 121.064

Rectangle

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



70, 48.737, 305.432



70, 48.737, 355.432



70, 48.737, 125.432



70, 48.737, 175.432

Sweetspot

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



70, 48.735, 305.432



92, 14.942, 303.677



83, 23.217, 240.133



48, 10.063, 303.762



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 48.735, 305.432



68, 61.508, 306.032



74, 52.677, 321.419



47, 7.449, 303.583



25, 101.910, 308.782



4, 40.962, 307.572

Inverse Universe

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



75, 43.678, 338.458



74, 54.166, 339.143



90, 52.024, 137.737



48, 6.931, 336.309



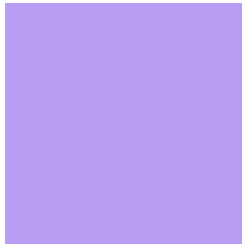
41, 71.390, 347.437



10, 32.618, 344.118

Previews

White Background



This preview shows how the CIELCh color 70, 48.737, 305.432 looks on a white background.

Color Contrast Check

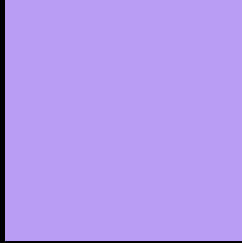
Large Text (above 18pt) WCAG AA × Fail

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 70, 48.737, 305.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

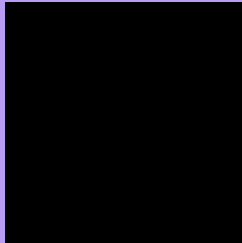
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 48.737, 305.432

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.737, 305.432.




This preview shows how white text looks on a background with the CIELCh color 70, 48.737, 305.432.

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





Tritanopia
70, 7.388, 305.291

Trichromacy



Original Color
70, 48.737, 305.432

Protanomaly
70, 47.089, 292.505

Deuteranomaly
70, 42.754, 292.654

Tritanomaly
70, 22.593, 304.802

Monochromacy



Original Color
70, 48.737, 305.432

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.016, 304.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.737, 305.432 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(185, 156, 243)` looks like.

```
.text, #text, p{  
    color:rgb(185, 156, 243)  
}
```

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(185, 156, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 156, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.737, 305.432 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(185, 156, 243) }
```

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

```
.border{ border-color:rgb(185, 156, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 156, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 156, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 156, 243);  
box-shadow:4px 4px 4px 4px rgb(185, 156,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.737, 305.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 156, 243) }
```

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

```
.background{ background-color: rgb(185,  
156, 243) }
```

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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