

Converting Colors

CIELCh(70, 46.511, 305.652)

Have a look what the booklet for
CIELCh(70, 46.511, 305.652)
contains.

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Color

CIELCh(70, 46.534, 305.465)

Conversions

Conversions Part 1

Format	Color
Hex	B99DF0
RGB	185, 157, 240
RGB Percent	73%, 62%, 94%
CMY	0.2743, 0.3841, 0.0586
CMYK	0.23, 0.35, 0.00, 0.06
HSL	260°, 74%, 78%
HSV	260°, 35%, 94%
XYZ	47.8254, 40.7494, 87.8302
YIQ	174.8340, -9.9550, 31.7490

Conversions

Conversions Part 2

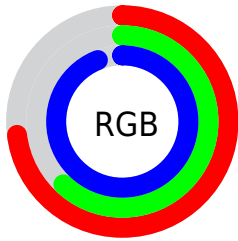
Format	Color
RYB	185, 157, 240
Decimal	12164592
CIELab	70.00, 27.00, -37.90
CIELCh	70, 46.534, 305.465
Yxy	40.7494, 0.2711, 0.2310
Android (android.graphics.Color)	4290354672 (0xFFB99DF0)
YUV	174.8340, 32.1268, 8.9156
Hunter-Lab	63.8353, 22.0206, -36.8918

Details

The CIELCh color `70, 46.534, 305.465` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `91, 43.483, 121.287`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 24.807, 316.373`, and `50, 47.004, 305.427` is the 20% darker color. If you saturate the color by 10%, you get `63, 60.844, 306.273`, and if you desaturate by 10%, it is `77, 32.546, 304.717`.

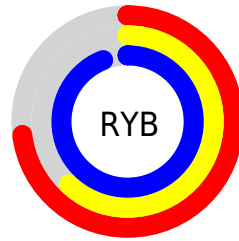
Distribution



Red (73%)

Green (62%)

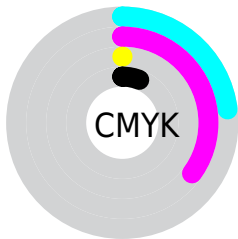
Blue (94%)



Red (73%)

Yellow (62%)

Blue (94%)

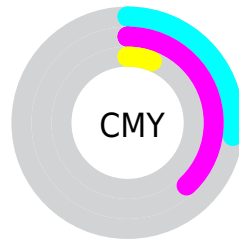


Cyan (23%)

Magenta (35%)

Yellow (0%)

Black (6%)



Cyan (27%)


Magenta (38%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.534, 305.465 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, 46.534, 305.465 by changing the saturation by 10% instead.


 70, 46.534,
305.465

 70, 46.534,
305.465


 100, 46.534,
305.465

 60, 46.534,
305.465


 90, 46.534,
305.465

 50, 46.534,
305.465

 40, 46.534,
305.465

 30, 46.534,
305.465

 20, 46.534,
305.465

 10, 46.534,
305.465

 0, 46.534, 305.465

70, 46.534,
305.465

70, 46.534,
305.465

63, 60.844,
306.273

77, 32.546,
304.717

56, 75.269,
307.110

84, 18.978,
304.041

50, 89.391,
307.915

92, 5.861, 303.435

44, 102.468,
308.583

99, 6.803, 122.933

100, 7.561,
109.602

39, 113.369,
308.961

35, 120.796,
308.880

34, 123.481,
308.686

Harmonies

Complementary

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



70, 46.534, 305.465



91, 43.483, 121.287

Rectangle

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



70, 46.534, 305.465



70, 46.534, 355.465



70, 46.534, 125.465



70, 46.534, 175.465

Sweetspot

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



70, 46.532, 305.465



92, 13.569, 303.758



82, 22.279, 239.920



48, 9.279, 303.844



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, 46.532, 305.465



69, 58.504, 305.990



74, 50.387, 321.367



46, 7.326, 303.724



25, 100.785, 308.849



4, 38.942, 307.061

Inverse Universe

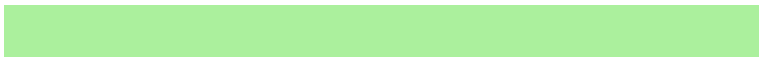
The Inverse Universe completely reimagines the original color for something new.



74, 41.684, 338.531



75, 51.640, 339.137



89, 49.776, 137.821



47, 6.793, 336.477



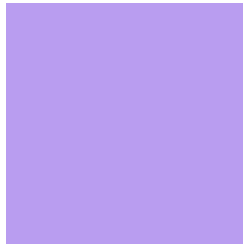
40, 70.514, 347.719



9, 31.681, 344.181

Previews

White Background



This preview shows how the CIELCh color 70, 46.534, 305.465 looks on a white background.

Color Contrast Check

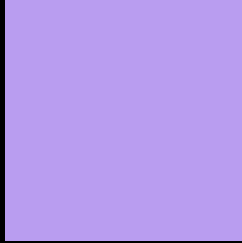
Large Text (above 18pt) WCAG AA × Fail

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, 46.534, 305.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

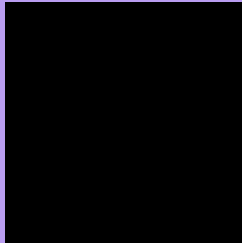
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 46.534, 305.465

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.534, 305.465.




This preview shows how white text looks on a background with the CIELCh color 70, 46.534, 305.465.

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, 7.492, 308.026

Trichromacy



Original Color
70, 46.534, 305.465

Protanomaly
70, 44.917, 292.937

Deuteranomaly
70, 40.540, 292.763

Tritanomaly
70, 21.506, 305.390

Monochromacy



Original Color
70, 46.534, 305.465

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 17.484, 304.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.534, 305.465 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, 157, 240)` looks like.

```
.text, #text, p{  
    color:rgb(185, 157, 240)  
}
```

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, 157, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 157, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.534, 305.465 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, 157, 240) }
```

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

```
.border{ border-color:rgb(185, 157, 240) }
```

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

Here you see how a box with a 4 pixel rgb(185, 157, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 157, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 157, 240);  
box-shadow:4px 4px 4px 4px rgb(185, 157,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.534, 305.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 157, 240) }
```

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

```
.background{ background-color: rgb(185,  
157, 240) }
```

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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