

Converting Colors

CIELCh(70, 56.364, 305.696)

Have a look what the booklet for
CIELCh(70, 56.364, 305.696)
contains.

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Color

CIELCh(70, 56.361, 305.539)

Conversions

Conversions Part 1

Format	Color
Hex	BB9AFF
RGB	187, 154, 255
RGB Percent	73%, 60%, 100%
CMY	0.2678, 0.3971, 0.0012
CMYK	0.27, 0.40, 0.00, 0.00
HSL	260°, 99%, 80%
HSV	260°, 40%, 100%
XYZ	49.9341, 40.7494, 99.5867
YIQ	175.3810, -12.7530, 38.4070

Conversions

Conversions Part 2

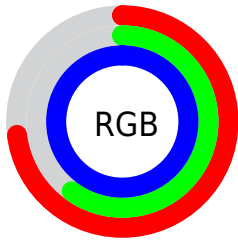
Format	Color
R _Y B	187, 154, 255
Decimal	12294911
CIE Lab	70.00, 32.76, -45.86
CIE LCh	70, 56.361, 305.539
Yxy	40.7494, 0.2624, 0.2142
Android (android.graphics.Color)	4290484991 (0xFFBB9AFF)
YUV	175.3810, 39.2522, 10.1899
Hunter-Lab	63.8353, 27.9170, -47.8111

Details

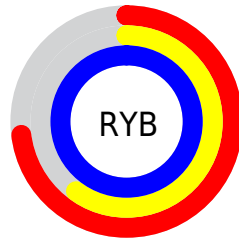
The CIELCh color $70, 56.361, 305.539$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $96, 51.966, 120.579$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 27.137, 319.080$, and $50, 56.733, 305.502$ is the 20% darker color. If you saturate the color by 10%, you get $63, 71.491, 306.395$, and if you desaturate by 10%, it is $77, 41.490, 304.735$.

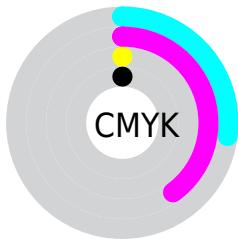
Distribution



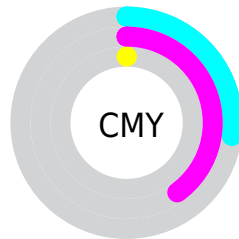
- Red (73%)
- Green (60%)
- Blue (100%)



- Red (73%)
- Yellow (60%)
- Blue (100%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (40%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 56.361, 305.539 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, 56.361, 305.539 by changing the saturation by 10% instead.


 70, 56.361,
305.539


 70, 56.361,
305.539


 100, 56.361,
305.539


 60, 56.361,
305.539


 90, 56.361,
305.539

 50, 56.361,
305.539

 40, 56.361,
305.539

 30, 56.361,
305.539

 20, 56.361,
305.539

 10, 56.361,
305.539

 0, 56.361, 305.539

70, 56.361,
305.539

70, 56.361,
305.539

63, 71.491,
306.395

77, 41.490,
304.735

56, 86.568,
307.257

85, 27.032,
304.003

49, 100.989,
308.042

93, 13.043,
303.348

44, 113.745,
308.615

100, 0.141,
109.620

39, 123.462,
308.803

36, 129.263,
308.514

36, 129.441,
308.504

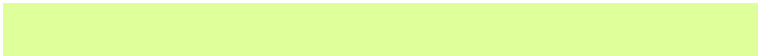
Harmonies

Complementary

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



70, 56.361, 305.539



96, 51.966, 120.579

Rectangle

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



70, 56.361, 305.539



70, 56.361, 355.539



70, 56.361, 125.539



70, 56.361, 175.539

Sweetspot

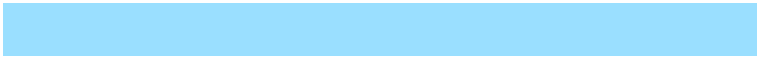
The Sweet Spot groups the original color and five complimentary colors.



70, 56.359, 305.539



91, 16.313, 303.496



85, 26.227, 238.497



47, 10.845, 303.579



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, 56.359, 305.539



64, 69.064, 306.253



75, 60.288, 321.073



49, 7.696, 303.340



26, 104.133, 308.666



5, 44.800, 308.344

Inverse Universe

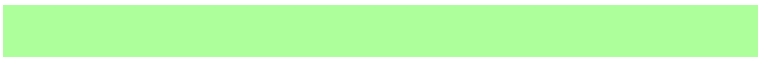
The Inverse Universe completely reimagines the original color for something new.



76, 50.306, 338.507



71, 60.243, 339.311



93, 59.379, 137.016



50, 7.202, 336.023



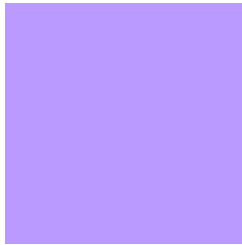
42, 73.105, 346.958



11, 34.469, 344.014

Previews

White Background



This preview shows how the CIELCh color 70, 56.361, 305.539 looks on a white background.

Color Contrast Check

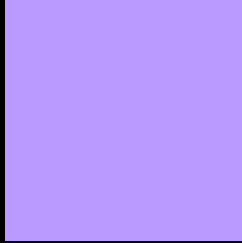
Large Text (above 18pt) WCAG AA × Fail

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, 56.361, 305.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

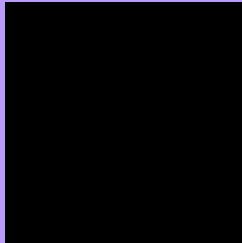
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 56.361, 305.539

Background



This preview shows how black text looks on a background with the CIELCh color 70, 56.361, 305.539.



This preview shows how white text looks on a background with the CIELCh color 70, 56.361, 305.539.

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
70, 56.361, 305.539

Protanopia
70, 47.866, 285.558

Deuteranopia
70, 44.843, 282.368



Tritanopia
70, 7.302, 302.492

Trichromacy



Original Color
70, 56.361, 305.539

Protanomaly
70, 50.367, 293.300

Deuteranomaly
70, 48.194, 291.643

Tritanomaly
70, 25.357, 304.357

Monochromacy



Original Color
70, 56.361, 305.539

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 20.777, 303.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 56.361, 305.539 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, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 154, 255)  
}
```

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, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 154, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 56.361, 305.539 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, 154, 255) }
```

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

```
.border{ border-color:rgb(187, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 154,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 56.361, 305.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 154, 255) }
```

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

```
.background{ background-color: rgb(187,  
154, 255) }
```

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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