

Converting Colors

CIELCh(70, 48.027, 310.283)

Have a look what the booklet for
CIELCh(70, 48.027, 310.283)
contains.

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Color

CIELCh(70, 47.956, 310.053)

Conversions

Conversions Part 1

Format	Color
Hex	C29AEE
RGB	194, 154, 238
RGB Percent	76%, 60%, 93%
CMY	0.2392, 0.3961, 0.0667
CMYK	0.18, 0.35, 0.00, 0.07
HSL	269°, 71%, 77%
HSV	269°, 35%, 93%
XYZ	49.2317, 40.7494, 86.1531
YIQ	175.5360, -3.1240, 34.6040

Conversions

Conversions Part 2

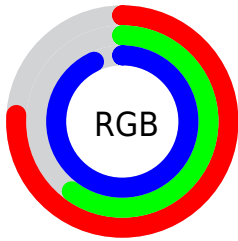
Format	Color
RYB	194, 154, 238
Decimal	12753646
CIELab	70.00, 30.86, -36.71
CIELCh	70, 47.956, 310.053
Yxy	40.7494, 0.2795, 0.2314
Android (android.graphics.Color)	4290943726 (0xFFC29AEE)
YUV	175.5360, 30.7948, 16.1929
Hunter-Lab	63.8353, 25.9528, -35.3340

Details

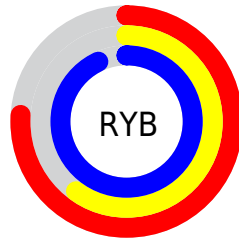
The CIELCh color `70, 47.956, 310.053` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `90, 45.459, 126.547`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 28.292, 323.593`, and `50, 48.317, 310.079` is the 20% darker color. If you saturate the color by 10%, you get `63, 62.090, 310.630`, and if you desaturate by 10%, it is `77, 33.954, 309.487`.

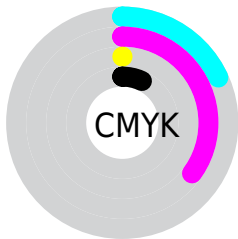
Distribution



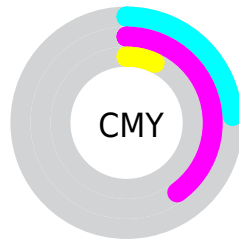
- Red (76%)
- Green (60%)
- Blue (93%)



- Red (76%)
- Yellow (60%)
- Blue (93%)



- Cyan (18%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)





- Cyan (24%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.956, 310.053 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, 47.956, 310.053 by changing the saturation by 10% instead.


 70, 47.956,
310.053


 70, 47.956,
310.053


 100, 47.956,
310.053


 60, 47.956,
310.053


 90, 47.956,
310.053

 50, 47.956,
310.053

 40, 47.956,
310.053

 30, 47.956,
310.053

 20, 47.956,
310.053

 10, 47.956,
310.053

 0, 47.956, 310.053

70, 47.956,
310.053

70, 47.956,
310.053

63, 62.090,
310.630

77, 33.954,
309.487

57, 76.072,
311.181

84, 20.246,
308.953

51, 89.414,
311.645

90, 6.909, 308.453

97, 6.025, 128.053

46, 101.367,
311.930

100, 8.609,
109.524

42, 110.946,
311.918

38, 117.212,
311.490

37, 119.253,
311.190

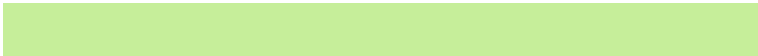
Harmonies

Complementary

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



70, 47.956, 310.053



90, 45.459, 126.547

Rectangle

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



70, 47.956, 310.053



70, 47.956, 0.053



70, 47.956, 130.053



70, 47.956, 180.053

Sweetspot

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



70, 47.954, 310.053



92, 15.305, 308.737



78, 24.704, 257.460



48, 10.304, 308.806



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, 47.954, 310.053



70, 60.747, 310.450



74, 52.655, 325.382



46, 7.502, 308.660



28, 97.994, 311.374



5, 39.538, 311.309

Inverse Universe

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



73, 38.672, 345.718



74, 48.510, 346.554



87, 52.591, 141.082



47, 6.164, 343.126



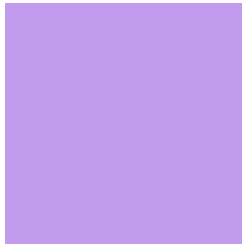
40, 66.530, 359.735



8, 29.682, 353.752

Previews

White Background



This preview shows how the CIELCh color 70, 47.956, 310.053 looks on a white background.

Color Contrast Check

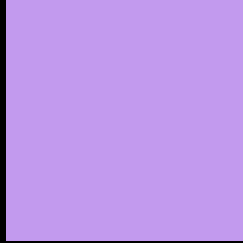
Large Text (above 18pt) WCAG AA × Fail

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, 47.956, 310.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

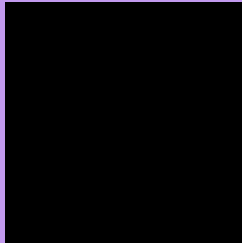
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 47.956, 310.053

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.956, 310.053.




This preview shows how white text looks on a background with the CIELCh color 70, 47.956, 310.053.

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, 9.845, 334.019

Trichromacy



Original Color
70, 47.956, 310.053

Protanomaly
70, 44.912, 294.070

Deuteranomaly
70, 39.517, 295.331

Tritanomaly
70, 22.915, 316.027

Monochromacy



Original Color
70, 47.956, 310.053

Achromatopsia
72, 0.009, 296.813

Achromatomaly
71, 17.861, 309.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.956, 310.053 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(194, 154, 238)` looks like.

```
.text, #text, p{  
    color:rgb(194, 154, 238)  
}
```

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(194, 154, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 154, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.956, 310.053 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(194, 154, 238) }
```

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

```
.border{ border-color:rgb(194, 154, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 154, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 154, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 154, 238);  
box-shadow:4px 4px 4px 4px rgb(194, 154,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.956, 310.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 154, 238) }
```

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

```
.background{ background-color: rgb(194,  
154, 238) }
```

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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