

Converting Colors

CIELCh(70, 50.868, 310.382)

Have a look what the booklet for
CIELCh(70, 50.868, 310.382)
contains.

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Color

CIELCh(70, 50.776, 310.366)

Conversions

Conversions Part 1

Format	Color
Hex	C499F2
RGB	196, 153, 242
RGB Percent	77%, 60%, 95%
CMY	0.2328, 0.4013, 0.0524
CMYK	0.19, 0.37, 0.00, 0.05
HSL	269°, 77%, 77%
HSV	269°, 37%, 95%
XYZ	49.9808, 40.7494, 88.9485
YIQ	176.0030, -2.9410, 36.7950

Conversions

Conversions Part 2

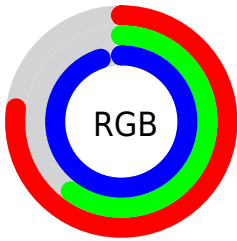
Format	Color
RYB	196, 153, 242
Decimal	12884466
CIELab	70.00, 32.89, -38.69
CIElCh	70, 50.776, 310.366
Yxy	40.7494, 0.2782, 0.2268
Android (android.graphics.Color)	4291074546 (0xFFC499F2)
YUV	176.0030, 32.5365, 17.5374
Hunter-Lab	63.8353, 28.0476, -37.9304

Details

The CIELCh color `70, 50.776, 310.366` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `91, 48.047, 126.722`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 29.282, 324.858`, and `50, 50.702, 310.596` is the 20% darker color. If you saturate the color by 10%, you get `63, 65.079, 310.933`, and if you desaturate by 10%, it is `77, 36.561, 309.803`.

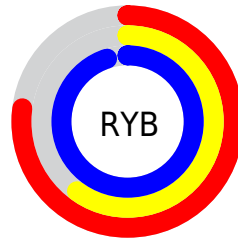
Distribution



Red (77%)

Green (60%)

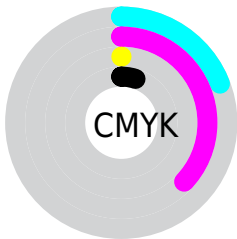
Blue (95%)



Red (77%)

Yellow (60%)

Blue (95%)

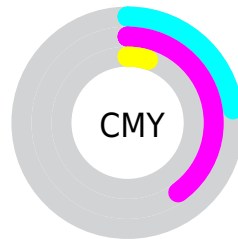


Cyan (19%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (23%)


Magenta (40%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.776, 310.366 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, 50.776, 310.366 by changing the saturation by 10% instead.


 70, 50.776,
310.366


 70, 50.776,
310.366


 100, 50.776,
310.366


 60, 50.776,
310.366


 90, 50.776,
310.366

 50, 50.776,
310.366

 40, 50.776,
310.366

 30, 50.776,
310.366

 20, 50.776,
310.366

 10, 50.776,
310.366

 0, 50.776, 310.366

70, 50.776,
310.366

70, 50.776,
310.366

63, 65.079,
310.933

77, 36.561,
309.803

57, 79.152,
311.464

84, 22.620,
309.269

51, 92.459,
311.894

91, 9.041, 308.769

46, 104.199,
312.127

98, 4.135, 128.371

100, 6.764,
109.661

42, 113.361,
312.043

39, 119.088,
311.533

38, 120.462,
311.330

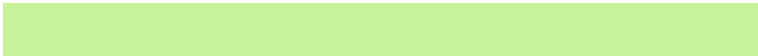
Harmonies

Complementary

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



70, 50.776, 310.366



91, 48.047, 126.722

Rectangle

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



70, 50.776, 310.366



70, 50.776, 0.366



70, 50.776, 130.366



70, 50.776, 180.366

Sweetspot

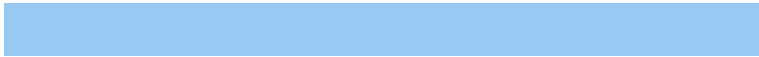
The Sweet Spot groups the original color and five complimentary colors.



70, 50.774, 310.366



92, 15.325, 308.976



79, 26.043, 257.806



48, 10.318, 309.044



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, 50.774, 310.366



69, 63.781, 310.782



74, 55.539, 325.458



46, 7.512, 308.899



28, 97.849, 311.524



5, 39.566, 311.528

Inverse Universe

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



73, 40.664, 346.293



73, 50.532, 347.218



88, 55.484, 140.941



47, 6.136, 343.491



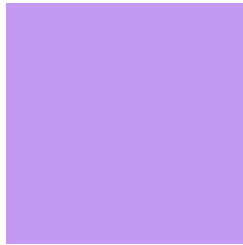
40, 66.428, 0.380



8, 29.610, 354.271

Previews

White Background



This preview shows how the CIELCh color 70, 50.776, 310.366 looks on a white background.

Color Contrast Check

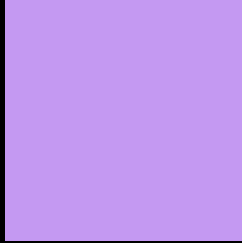
Large Text (above 18pt) WCAG AA × Fail

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, 50.776, 310.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

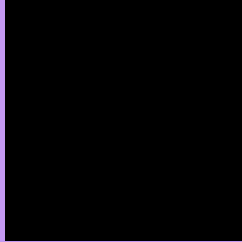
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 50.776, 310.366

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.776, 310.366.

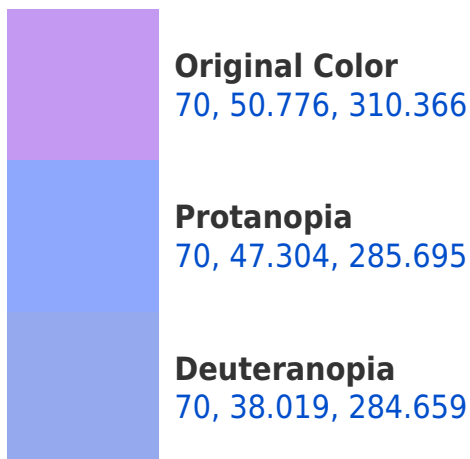


This preview shows how white text looks on a background with the CIELCh color 70, 50.776, 310.366.

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, 10.107, 335.606

Trichromacy



Original Color
70, 50.776, 310.366



Protanomaly
70, 48.251, 294.770



Deuteranomaly
70, 41.728, 295.453



Tritanomaly
70, 24.700, 316.044

Monochromacy



Original Color
70, 50.776, 310.366



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 18.380, 308.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.776, 310.366 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(196, 153, 242)` looks like.

```
.text, #text, p{  
    color:rgb(196, 153, 242)  
}
```

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(196, 153, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 153, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.776, 310.366 is called "border". The border property can be set on classes, ids or directly on the HTML element.

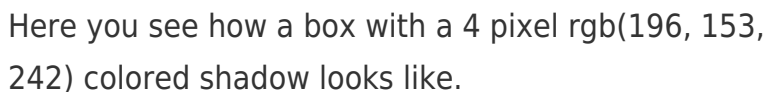
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 153, 242) }
```

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

```
.border{ border-color:rgb(196, 153, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 153, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 153, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 153, 242); box-shadow:4px 4px 4px 4px rgb(196, 153, 242) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.776, 310.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 153, 242) }
```

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

```
.background{ background-color: rgb(196,  
153, 242) }
```

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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