

Converting Colors

CIELCh(50, 72.418, 320.680)

Have a look what the booklet for
CIELCh(50, 72.418, 320.680)
contains.

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Color

CIELCh(50, 72.249, 320.626)

Conversions

Conversions Part 1

Format	Color
Hex	AC4FC6
RGB	172, 79, 198
RGB Percent	67%, 31%, 78%
CMY	0.3258, 0.6905, 0.2238
CMYK	0.13, 0.60, 0.00, 0.22
HSL	287°, 51%, 54%
HSV	287°, 60%, 78%
XYZ	29.9737, 18.4187, 55.3585
YIQ	120.3730, 17.2290, 56.7250

Conversions

Conversions Part 2

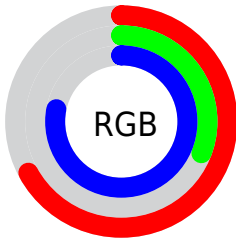
Format	Color
R _Y B	172, 79, 198
Decimal	11292614
CIE Lab	50.00, 55.85, -45.83
CIE LCh	50, 72.249, 320.626
Yxy	18.4187, 0.2889, 0.1775
Android (android.graphics.Color)	4289482694 (0xFFAC4FC6)
YUV	120.3730, 38.2701, 45.2769
Hunter-Lab	42.9170, 49.5616, -46.4362

Details

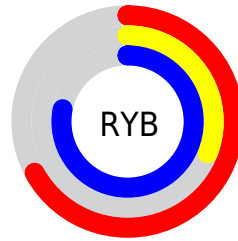
The CIELCh color **50, 72.249, 320.626** is a dark color, and the websafe version is hex **CC66CC**. The color can be described as middle muted purple. A complement of this color would be **72, 70.590, 134.803**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 72.083, 320.717**, and **30, 72.175, 320.640** is the 20% darker color. If you saturate the color by 10%, you get **46, 81.854, 320.774**, and if you desaturate by 10%, it is **54, 61.247, 320.348**.

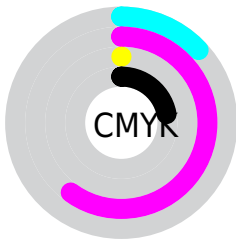
Distribution



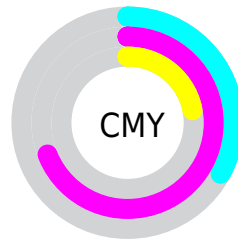
- Red (67%)
- Green (31%)
- Blue (78%)



- Red (67%)
- Yellow (31%)
- Blue (78%)



- Cyan (13%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (69%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 72.249, 320.626 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 50, 72.249, 320.626 by changing the saturation by 10% instead.


 50, 72.249,
320.626


 50, 72.249,
320.626


 100, 72.249,
320.626


 40, 72.249,
320.626


 70, 72.249,
320.626

 30, 72.249,
320.626


 80, 72.249,
320.626


 20, 72.249,
320.626

 90, 72.249,
320.626

 10, 72.249,
320.626

 0, 72.249, 320.626

 50, 72.249,
320.626

 50, 72.249,
320.626

46, 81.854,
320.774

54, 61.247,
320.348

43, 89.487,
320.742

59, 49.387,
319.984

41, 94.674,
320.485

64, 37.091,
319.568

40, 97.604,
320.026

69, 24.663,
319.127

74, 12.308,
318.678

80, 0.153, 316.942

85, 11.726,
137.867

91, 23.289,
137.470

96, 33.278,
136.911

Harmonies

Complementary

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



50, 72.249, 320.626



72, 70.590, 134.803

Rectangle

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



50, 72.249, 320.626



50, 72.249, 10.626



50, 72.249, 140.626



50, 72.249, 190.626

Sweetspot

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



50, 72.247, 320.626



88, 27.069, 319.045



47, 53.870, 289.468



45, 18.847, 319.177



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 72.247, 320.626



58, 102.071, 320.785



52, 61.931, 337.563



39, 6.920, 318.644



32, 84.545, 320.131



3, 24.275, 317.571

Inverse Universe

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



50, 50.658, 11.261



59, 73.332, 15.477



72, 62.320, 146.962



39, 4.453, 2.666



34, 65.463, 27.461



3, 16.235, 8.234

Previews

White Background



This preview shows how the CIELCh color 50, 72.249, 320.626 looks on a white background.

Color Contrast Check

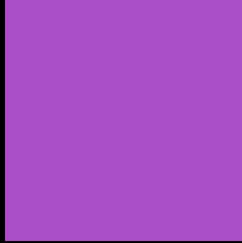
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 72.249, 320.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

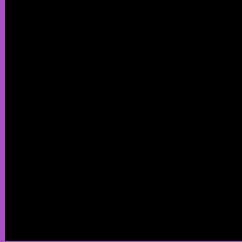
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 72.249, 320.626

Background



This preview shows how black text looks on a background with the CIELCh color 50, 72.249, 320.626.



This preview shows how white text looks on a background with the CIELCh color 50, 72.249, 320.626.

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

50, 72.249, 320.626

Protanopia

50, 69.443, 287.815

Deuteranopia

50, 41.662, 279.752

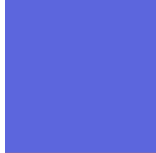


Tritanopia
50, 24.542, 11.878

Trichromacy



Original Color
50, 72.249, 320.626



Protanomaly
48, 69.550, 296.490



Deuteranomaly
49, 51.730, 299.039



Tritanomaly
49, 38.464, 337.454

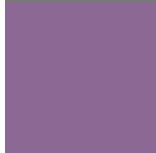
Monochromacy



Original Color
50, 72.249, 320.626



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 28.277, 319.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 72.249, 320.626 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(172, 79, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 198)  
}
```

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(172, 79, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 72.249, 320.626 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(172, 79, 198) }
```

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

```
.border{ border-color:rgb(172, 79, 198) }
```

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

Here you see how a box with a 4 pixel rgb(172, 79, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 72.249, 320.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 198) }
```

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

```
.background{ background-color: rgb(172, 79,  
198) }
```

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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