

Converting Colors

CIELCh(50, 72.967, 313.779)

Have a look what the booklet for
CIELCh(50, 72.967, 313.779)
contains.

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Color

CIELCh(50, 72.964, 313.590)

Conversions

Conversions Part 1

Format	Color
Hex	9B57D2
RGB	155, 87, 210
RGB Percent	61%, 34%, 82%
CMY	0.3924, 0.6591, 0.1767
CMYK	0.26, 0.59, 0.00, 0.18
HSL	273°, 58%, 58%
HSV	273°, 59%, 82%
XYZ	28.5331, 18.4187, 62.9812
YIQ	121.3540, 1.0450, 52.6690

Conversions

Conversions Part 2

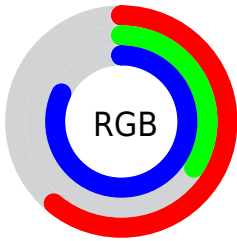
Format	Color
R_{YB}	155, 87, 210
Decimal	10180562
CIE _{Lab}	50.00, 50.31, -52.85
CIE _{LCh}	50, 72.964, 313.590
Yxy	18.4187, 0.2596, 0.1675
Android (android.graphics.Color)	4288370642 (0xFF9B57D2)
YUV	121.3540, 43.7025, 29.5075
Hunter-Lab	42.9170, 43.5702, -56.9669

Details

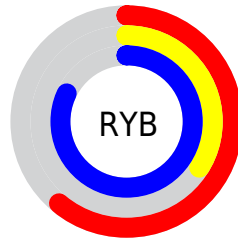
The CIELCh color **50, 72.964, 313.590** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **78, 67.683, 128.285**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 66.462, 315.337**, and **30, 73.170, 313.666** is the 20% darker color. If you saturate the color by 10%, you get **45, 84.361, 313.885**, and if you desaturate by 10%, it is **55, 60.661, 313.172**.

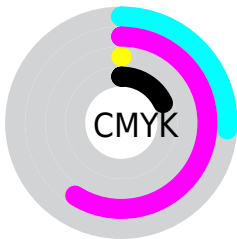
Distribution



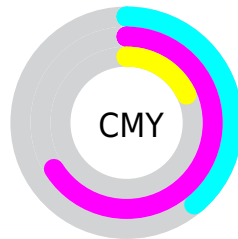
- Red (61%)
- Green (34%)
- Blue (82%)



- Red (61%)
- Yellow (34%)
- Blue (82%)



- Cyan (26%)
- Magenta (59%)
- Yellow (0%)
- Black (18%)





- Cyan (39%)
- Magenta (66%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 72.964, 313.590 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, 72.964, 313.590 by changing the saturation by 10% instead.


 50, 72.964,
313.590


 50, 72.964,
313.590


 100, 72.964,
313.590


 40, 72.964,
313.590


 70, 72.964,
313.590

 30, 72.964,
313.590


 80, 72.964,
313.590


 20, 72.964,
313.590

 90, 72.964,
313.590

 10, 72.964,
313.590

 0, 72.964, 313.590

 50, 72.964,
313.590

 50, 72.964,
313.590

45, 84.361,
313.885

55, 60.661,
313.172

41, 94.144,
313.969

61, 47.973,
312.694

37, 101.507,
313.743

67, 35.235,
312.198

35, 106.062,
313.156

73, 22.649,
311.711

35, 106.630,
313.070

79, 10.330,
311.246

85, 1.665, 130.921

91, 13.311,
130.462

97, 24.602,
130.113

98, 23.550,
122.549

Harmonies

Complementary

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



50, 72.964, 313.590



78, 67.683, 128.285

Rectangle

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



50, 72.964, 313.590



50, 72.964, 3.590



50, 72.964, 133.590



50, 72.964, 183.590

Sweetspot

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



50, 72.963, 313.590



87, 25.672, 311.693



58, 40.313, 272.751



45, 17.903, 311.834



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, 72.963, 313.590



54, 100.369, 313.925



57, 73.475, 328.949



41, 6.811, 311.283



27, 90.319, 313.244



3, 27.071, 309.572

Inverse Universe

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



55, 54.257, 353.942



61, 72.832, 356.723



75, 74.388, 140.619



41, 5.237, 347.373



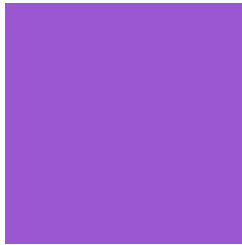
36, 61.845, 6.718



5, 21.335, 357.284

Previews

White Background



This preview shows how the CIELCh color 50, 72.964, 313.590 looks on a white background.

Color Contrast Check

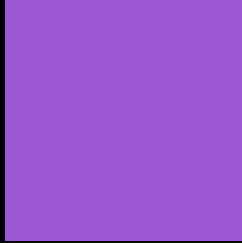
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 72.964, 313.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

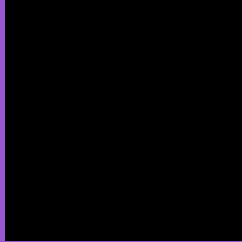
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 72.964, 313.590

Background



This preview shows how black text looks on a background with the CIELCh color 50, 72.964, 313.590.

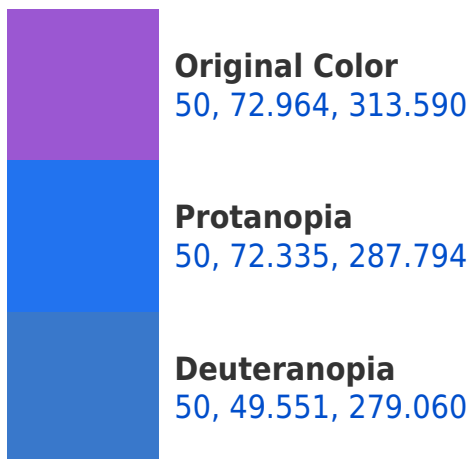


This preview shows how white text looks on a background with the CIELCh color 50, 72.964, 313.590.

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](#).

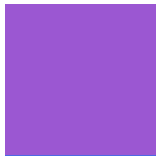
Dichromacy





Tritanopia
50, 12.007, 358.101

Trichromacy



Original Color
50, 72.964, 313.590



Protanomaly
49, 71.782, 293.982



Deuteranomaly
49, 57.342, 293.252



Tritanomaly
50, 33.072, 321.443

Monochromacy



Original Color
50, 72.964, 313.590



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 27.346, 311.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 72.964, 313.590 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(155, 87, 210)` looks like.

```
.text, #text, p{  
    color:rgb(155, 87, 210)  
}
```

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(155, 87, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 87, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 72.964, 313.590 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(155, 87, 210) }
```

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

```
.border{ border-color:rgb(155, 87, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 87, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 87, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 87, 210);  
box-shadow:4px 4px 4px 4px rgb(155, 87,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 72.964, 313.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 87, 210) }
```

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

```
.background{ background-color: rgb(155, 87,  
210) }
```

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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