

Converting Colors

CIELCh(48, 66.592, 312.839)

Have a look what the booklet for
CIELCh(48, 66.592, 312.839)
contains.

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Color

CIELCh(48, 66.654, 312.853)

Conversions

Conversions Part 1

Format	Color
Hex	9156C5
RGB	145, 86, 197
RGB Percent	57%, 34%, 77%
CMY	0.4301, 0.6616, 0.2262
CMYK	0.26, 0.56, 0.00, 0.23
HSL	272°, 49%, 56%
HSV	272°, 56%, 77%
XYZ	25.1961, 16.7945, 54.9253
YIQ	116.2950, -0.4670, 47.0290

Conversions

Conversions Part 2

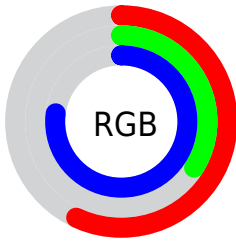
Format	Color
R_{YB}	145, 86, 197
Decimal	9524933
CIE _{Lab}	48.00, 45.33, -48.86
CIE _{LCh}	48, 66.654, 312.853
Yxy	16.7945, 0.2600, 0.1733
Android (android.graphics.Color)	4287715013 (0xFF9156C5)
YUV	116.2950, 39.7876, 25.1743
Hunter-Lab	40.9810, 38.0293, -50.7774

Details

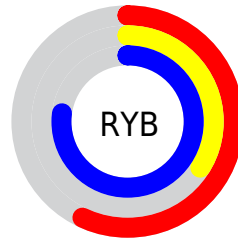
The CIELCh color **48, 66.654, 312.853** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **74, 61.732, 127.648**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 66.451, 312.755**, and **28, 66.323, 313.008** is the 20% darker color. If you saturate the color by 10%, you get **43, 77.857, 313.215**, and if you desaturate by 10%, it is **53, 54.778, 312.391**.

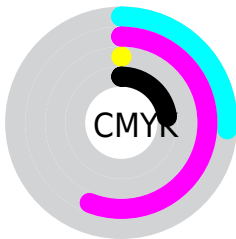
Distribution



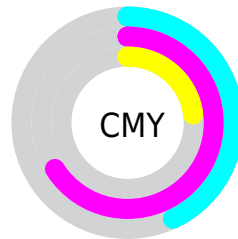
- Red (57%)
- Green (34%)
- Blue (77%)



- Red (57%)
- Yellow (34%)
- Blue (77%)



- Cyan (26%)
- Magenta (56%)
- Yellow (0%)
- Black (23%)





- Cyan (43%)
- Magenta (66%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 66.654, 312.853 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 48, 66.654, 312.853 by changing the saturation by 10% instead.


 48, 66.654,
312.853


 48, 66.654,
312.853


 100, 66.654,
312.853


 38, 66.654,
312.853

 68, 66.654,
312.853


 28, 66.654,
312.853

 78, 66.654,
312.853

 18, 66.654,
312.853

 88, 66.654,
312.853

 8, 66.654, 312.853

 98, 66.654,
312.853

 0, 66.654, 312.853

 48, 66.654,

 48, 66.654,

312.853

43, 77.857,
313.215

39, 87.761,
313.394

35, 95.589,
313.288

33, 100.685,
312.803

32, 102.223,
312.590

312.853

53, 54.778,
312.391

59, 42.667,
311.886

64, 30.593,
311.376


70, 18.715,
310.884

76, 7.117, 310.416

82, 4.158, 130.046

88, 15.095,
129.646

93, 25.696,
129.307

 97, 30.842,
126.567

Harmonies

Complementary

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



48, 66.654, 312.853



74, 61.732, 127.648

Rectangle

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



48, 66.654, 312.853



48, 66.654, 2.853



48, 66.654, 132.853



48, 66.654, 182.853

Sweetspot

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



48, 66.653, 312.853



88, 24.112, 310.931



57, 35.169, 268.527



45, 16.170, 311.030



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 66.653, 312.853



54, 97.958, 313.287



55, 69.167, 327.790



39, 6.506, 310.560



26, 88.671, 312.746



2, 22.504, 307.090

Inverse Universe

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



52, 50.293, 352.034



62, 71.897, 354.667



71, 69.803, 140.085



39, 5.094, 346.145



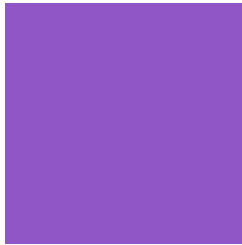
35, 60.503, 4.558



4, 17.566, 354.896

Previews

White Background



This preview shows how the CIELCh color 48, 66.654, 312.853 looks on a white 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

Black Background



This preview shows how the CIELCh color 48, 66.654, 312.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

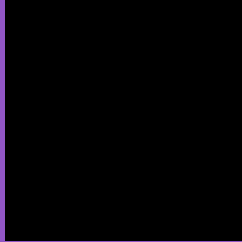
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 66.654, 312.853

Background



This preview shows how black text looks on a background with the CIELCh color 48, 66.654, 312.853.

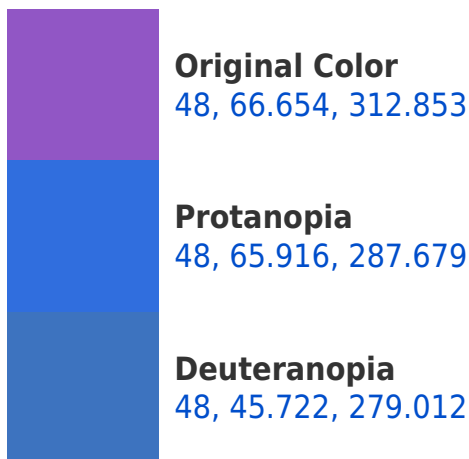



This preview shows how white text looks on a background with the CIELCh color 48, 66.654, 312.853.

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
48, 10.562, 354.362

Trichromacy



Original Color
48, 66.654, 312.853



Protanomaly
47, 65.865, 294.559



Deuteranomaly
47, 51.865, 292.789



Tritanomaly
48, 30.287, 319.630

Monochromacy



Original Color
48, 66.654, 312.853



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 24.945, 311.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 66.654, 312.853 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(145, 86, 197)` looks like.

```
.text, #text, p{  
    color:rgb(145, 86, 197)  
}
```

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(145, 86, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 86, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 66.654, 312.853 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(145, 86, 197) }
```

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

```
.border{ border-color:rgb(145, 86, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 86, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 86, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 86, 197);  
box-shadow:4px 4px 4px 4px rgb(145, 86,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 66.654, 312.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 86, 197) }
```

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

```
.background{ background-color: rgb(145, 86,  
197) }
```

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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