

Converting Colors

CIELCh(48, 81.537, 317.888)

Have a look what the booklet for
CIELCh(48, 81.537, 317.888)
contains.

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Color

CIELCh(48, 81.867, 317.937)

Conversions

Conversions Part 1

Format	Color
Hex	A545D0
RGB	165, 69, 208
RGB Percent	65%, 27%, 82%
CMY	0.3532, 0.7296, 0.1845
CMYK	0.21, 0.67, 0.00, 0.18
HSL	281°, 60%, 54%
HSV	281°, 67%, 82%
XYZ	29.0087, 16.7945, 61.3525
YIQ	113.5500, 12.5970, 63.5810

Conversions

Conversions Part 2

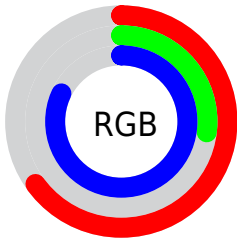
Format	Color
R_{YB}	165, 69, 208
Decimal	10831312
CIE _{Lab}	48.00, 60.78, -54.85
CIE _{LCh}	48, 81.867, 317.937
Yxy	16.7945, 0.2707, 0.1567
Android (android.graphics.Color)	4289021392 (0xFFA545D0)
YUV	113.5500, 46.5639, 45.1217
Hunter-Lab	40.9810, 54.6357, -60.0761

Details

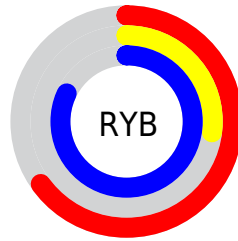
The CIELCh color **48, 81.867, 317.937** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **75, 78.228, 132.191**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 76.666, 319.611**, and **28, 81.536, 317.893** is the 20% darker color. If you saturate the color by 10%, you get **44, 91.042, 317.956**, and if you desaturate by 10%, it is **52, 70.967, 317.734**.

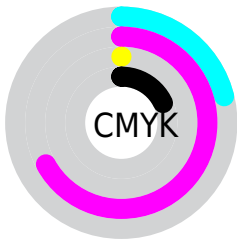
Distribution



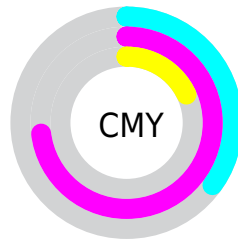
- Red (65%)
- Green (27%)
- Blue (82%)



- Red (65%)
- Yellow (27%)
- Blue (82%)



- Cyan (21%)
- Magenta (67%)
- Yellow (0%)
- Black (18%)




- Cyan (35%)
- Magenta (73%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 81.867, 317.937 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, 81.867, 317.937 by changing the saturation by 10% instead.


 48, 81.867,
317.937


 48, 81.867,
317.937


 100, 81.867,
317.937


 38, 81.867,
317.937

 68, 81.867,
317.937


 28, 81.867,
317.937

 78, 81.867,
317.937

 18, 81.867,
317.937


 88, 81.867,
317.937

 8, 81.867, 317.937

 98, 81.867,
317.937

 0, 81.867, 317.937

 48, 81.867,

 48, 81.867,

317.937

317.937

44, 91.042,
317.956

52, 70.967,
317.734

41, 97.845,
317.723

57, 58.985,
317.408

39, 101.904,
317.187

63, 46.432,
317.011

39, 102.904,
316.993

68, 33.675,
316.580

74, 20.957,
316.139

79, 8.427, 315.698

85, 3.827, 135.360

91, 15.760,
134.943

■ 97, 26.690,
134.377

Harmonies

Complementary

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



48, 81.867, 317.937



75, 78.228, 132.191

Rectangle

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



48, 81.867, 317.937



48, 81.867, 7.937



48, 81.867, 137.937



48, 81.867, 187.937

Sweetspot

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



48, 81.866, 317.937



86, 29.458, 316.289



49, 55.918, 286.367



44, 20.145, 316.414



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, 81.866, 317.937



53, 109.805, 317.895



53, 73.603, 334.408



41, 7.039, 315.812



31, 87.841, 317.136



4, 28.251, 315.520

Inverse Universe

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



50, 58.137, 6.189



57, 78.216, 11.247



74, 75.407, 143.204



41, 4.834, 356.145



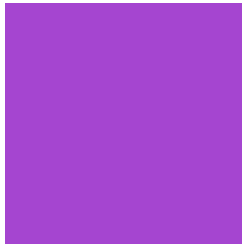
35, 63.820, 19.827



4, 20.531, 5.082

Previews

White Background



This preview shows how the CIELCh color 48, 81.867, 317.937 looks on a white background.

Color Contrast Check

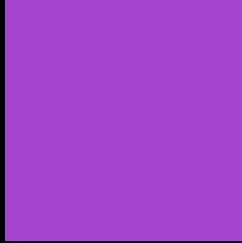
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.867, 317.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

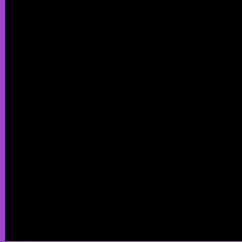
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 81.867, 317.937

Background



This preview shows how black text looks on a background with the CIELCh color 48, 81.867, 317.937.

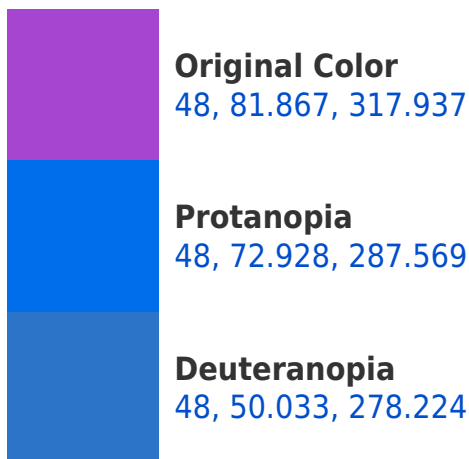


This preview shows how white text looks on a background with the CIELCh color 48, 81.867, 317.937.

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, 21.698, 9.999

Trichromacy



Original Color
48, 81.867, 317.937



Protanomaly
45, 76.762, 294.604



Deuteranomaly
46, 60.856, 295.188



Tritanomaly
47, 40.104, 332.010

Monochromacy



Original Color
48, 81.867, 317.937



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 32.858, 316.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 81.867, 317.937 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(165, 69, 208)` looks like.

```
.text, #text, p{  
    color:rgb(165, 69, 208)  
}
```

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(165, 69, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 69, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 81.867, 317.937 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(165, 69, 208) }
```

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

```
.border{ border-color:rgb(165, 69, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 69, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 69, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 69, 208);  
box-shadow:4px 4px 4px 4px rgb(165, 69,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 81.867, 317.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 69, 208) }
```

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

```
.background{ background-color: rgb(165, 69,  
208) }
```

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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