

Converting Colors

CIELCh(48, 82.736, 316.574)

Have a look what the booklet for
CIELCh(48, 82.736, 316.574)
contains.

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Color

CIELCh(48, 82.766, 316.569)

Conversions

Conversions Part 1

Format	Color
Hex	A146D3
RGB	161, 70, 211
RGB Percent	63%, 27%, 83%
CMY	0.3667, 0.7236, 0.1706
CMYK	0.24, 0.67, 0.00, 0.17
HSL	279°, 62%, 55%
HSV	279°, 67%, 83%
XYZ	28.8349, 16.7945, 63.6690
YIQ	113.2830, 8.9750, 63.1430

Conversions

Conversions Part 2

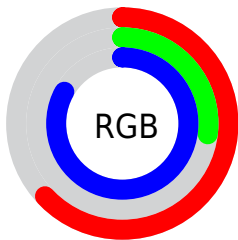
Format	Color
RYB	161, 70, 211
Decimal	10569427
CIELab	48.00, 60.10, -56.90
CIELCh	48, 82.766, 316.569
Yxy	16.7945, 0.2638, 0.1537
Android (android.graphics.Color)	4288759507 (0xFFA146D3)
YUV	113.2830, 48.1745, 41.8478
Hunter-Lab	40.9810, 53.8785, -63.4275

Details

The CIELCh color **48, 82.766, 316.569** 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 **77, 78.106, 130.948**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 76.385, 318.662**, and **28, 82.459, 316.723** is the 20% darker color. If you saturate the color by 10%, you get **44, 92.372, 316.609**, and if you desaturate by 10%, it is **53, 71.500, 316.339**.

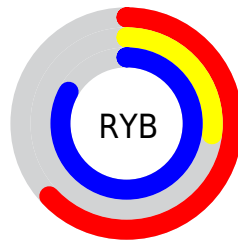
Distribution



Red (63%)

Green (27%)

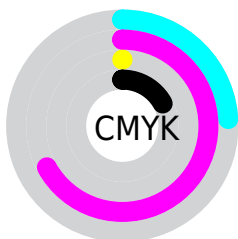
Blue (83%)



Red (63%)

Yellow (27%)

Blue (83%)

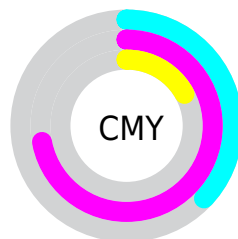


Cyan (24%)

Magenta (67%)

Yellow (0%)

Black (17%)



Cyan (37%)


Magenta (72%)

Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 82.766, 316.569 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, 82.766, 316.569 by changing the saturation by 10% instead.


 48, 82.766,
316.569


 48, 82.766,
316.569


 100, 82.766,
316.569


 38, 82.766,
316.569

 68, 82.766,
316.569


 28, 82.766,
316.569

 78, 82.766,
316.569

 18, 82.766,
316.569


 88, 82.766,
316.569

 8, 82.766, 316.569

 98, 82.766,
316.569

 0, 82.766, 316.569

 48, 82.766,

 48, 82.766,

316.569

44, 92.372,
316.609

41, 99.611,
316.381

38, 104.015,
315.823

38, 105.151,
315.607

316.569

53, 71.500,
316.339

58, 59.240,
315.989

63, 46.492,
315.572

69, 33.608,
315.127

75, 20.814,
314.679

81, 8.242, 314.236

87, 4.031, 133.895

93, 15.969,
133.488

■ 97, 24.096,
131.676

Harmonies

Complementary

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



48, 82.766, 316.569



77, 78.106, 130.948

Rectangle

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



48, 82.766, 316.569



48, 82.766, 6.569



48, 82.766, 136.569



48, 82.766, 186.569

Sweetspot

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



48, 82.765, 316.569



86, 29.156, 314.837



52, 52.435, 282.714



44, 19.945, 314.965



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, 82.765, 316.569



51, 110.234, 316.551



54, 77.013, 332.348



41, 6.959, 314.358



30, 88.607, 315.772



3, 27.815, 313.520

Inverse Universe

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



52, 59.139, 2.644



57, 78.015, 7.422



75, 78.924, 141.768



41, 4.953, 353.113



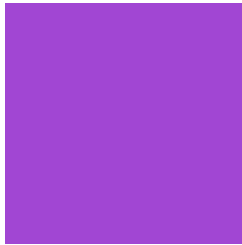
35, 62.751, 15.623



5, 20.735, 2.693

Previews

White Background



This preview shows how the CIELCh color 48, 82.766, 316.569 looks on a white background.

Color Contrast Check

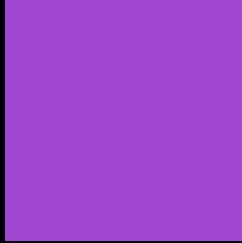
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 82.766, 316.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

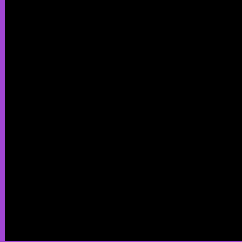
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 82.766, 316.569

Background



This preview shows how black text looks on a background with the CIELCh color 48, 82.766, 316.569.

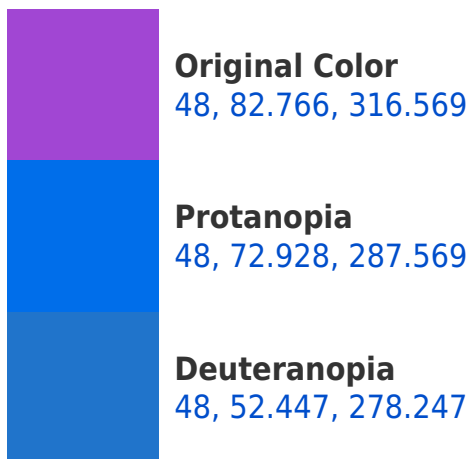


This preview shows how white text looks on a background with the CIELCh color 48, 82.766, 316.569.

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, 18.694, 7.478

Trichromacy



Original Color
48, 82.766, 316.569



Protanomaly
45, 76.696, 294.309



Deuteranomaly
46, 63.268, 293.818



Tritanomaly
47, 39.340, 328.471

Monochromacy



Original Color
48, 82.766, 316.569



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 32.574, 315.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 82.766, 316.569 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(161, 70, 211)` looks like.

```
.text, #text, p{  
    color:rgb(161, 70, 211)  
}
```

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(161, 70, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 70, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 82.766, 316.569 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(161, 70, 211) }
```

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

```
.border{ border-color:rgb(161, 70, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 70, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 70, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 70, 211);  
box-shadow:4px 4px 4px 4px rgb(161, 70,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 82.766, 316.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 70, 211) }
```

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

```
.background{ background-color: rgb(161, 70,  
211) }
```

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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