

Converting Colors

CIELCh(42, 48.454, 316.412)

Have a look what the booklet for
CIELCh(42, 48.454, 316.412)
contains.

CIELCh(42, 49.023, 316.589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 49.023, 316.589)

Conversions

Conversions Part 1

Format	Color
Hex	814E9B
RGB	129, 78, 155
RGB Percent	51%, 31%, 61%
CMY	0.4938, 0.6938, 0.3919
CMYK	0.17, 0.50, 0.00, 0.39
HSL	280°, 33%, 46%
HSV	280°, 50%, 61%
XYZ	17.7158, 12.5000, 32.5212
YIQ	102.0270, 5.6790, 34.7590

Conversions

Conversions Part 2

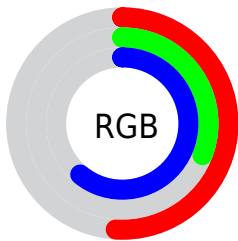
Format	Color
R_{YB}	129, 78, 155
Decimal	8474267
CIE _{Lab}	42.00, 35.61, -33.69
CIE _{LCh}	42, 49.023, 316.589
Yxy	12.5000, 0.2824, 0.1992
Android (android.graphics.Color)	4286664347 (0xFF814E9B)
YUV	102.0270, 26.1157, 23.6553
Hunter-Lab	35.3553, 27.5704, -29.7884

Details

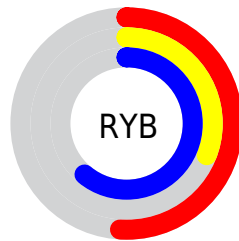
The CIELCh color $42, 49.023, 316.589$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $59, 47.019, 132.157$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 48.815, 316.326$, and $22, 48.869, 316.518$ is the 20% darker color. If you saturate the color by 10%, you get $38, 58.406, 316.905$, and if you desaturate by 10%, it is $46, 39.180, 316.199$.

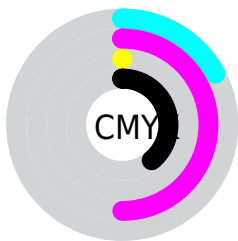
Distribution



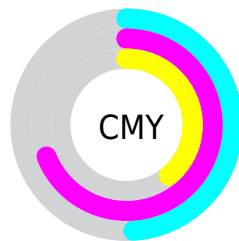
- Red (51%)
- Green (31%)
- Blue (61%)



- Red (51%)
- Yellow (31%)
- Blue (61%)



- Cyan (17%)
- Magenta (50%)
- Yellow (0%)
- Black (39%)





- Cyan (49%)
- Magenta (69%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 49.023, 316.589 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 42, 49.023, 316.589 by changing the saturation by 10% instead.

 42, 49.023,
316.589

 42, 49.023,
316.589


 100, 49.023,
316.589

 32, 49.023,
316.589

 62, 49.023,
316.589


 22, 49.023,
316.589

 72, 49.023,
316.589

 12, 49.023,
316.589

 82, 49.023,
316.589

 2, 49.023, 316.589

 92, 49.023,
316.589

 0, 49.023, 316.589

 42, 49.023,

 42, 49.023,

316.589

38, 58.406,
316.905

35, 66.929,
317.096

32, 74.093,
317.096

29, 79.390,
316.837

27, 82.991,
316.354

27, 83.115,
316.339

316.589

46, 39.180,
316.199

51, 29.167,
315.774

55, 19.176,
315.338

60, 9.324, 314.907

64, 0.320, 134.956

69, 9.718, 134.155

73, 18.855,
133.801

78, 27.726,
133.482

83, 36.337,

Harmonies

Complementary

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



42, 49.023, 316.589



59, 47.019, 132.157

Rectangle

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



42, 49.023, 316.589



42, 49.023, 6.589



42, 49.023, 136.589



42, 49.023, 186.589

Sweetspot

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



42, 49.022, 316.589



73, 18.032, 315.149



44, 30.622, 278.638



37, 12.425, 315.234



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



42, 49.022, 316.589



49, 72.548, 316.943



45, 46.760, 331.851



30, 5.395, 314.888



24, 77.190, 316.426



1, 5.758, 314.168

Inverse Universe

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



43, 35.048, 359.655



51, 51.808, 2.112



58, 46.942, 144.651



30, 3.787, 354.188



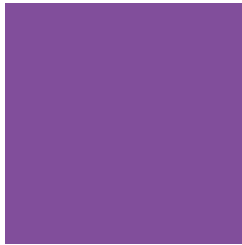
29, 55.020, 16.271



1, 4.014, 353.778

Previews

White Background



This preview shows how the CIELCh color 42, 49.023, 316.589 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 42, 49.023, 316.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

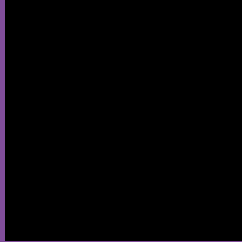
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 49.023, 316.589

Background



This preview shows how black text looks on a background with the CIELCh color 42, 49.023, 316.589.

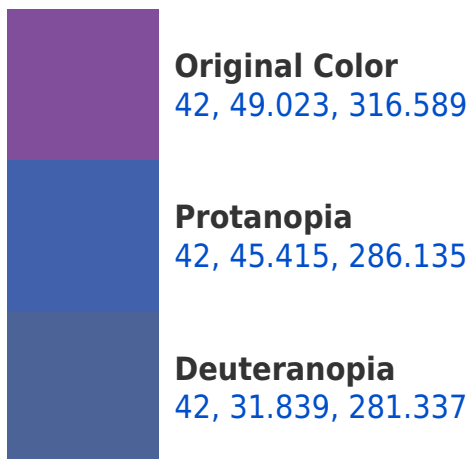



This preview shows how white text looks on a background with the CIELCh color 42, 49.023, 316.589.

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
42, 12.639, 1.836

Trichromacy



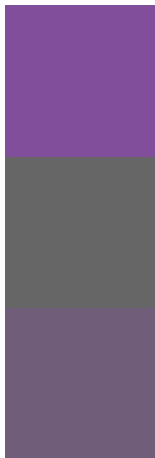
Original Color
42, 49.023, 316.589

Protanomaly
42, 45.916, 296.136

Deuteranomaly
42, 37.003, 297.346

Tritanomaly
42, 23.946, 329.253

Monochromacy



Original Color
42, 49.023, 316.589

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 18.542, 315.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 49.023, 316.589 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(129, 78, 155)` looks like.

```
.text, #text, p{  
    color:rgb(129, 78, 155)  
}
```

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(129, 78, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 78, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 49.023, 316.589 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(129, 78, 155) }
```

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

```
.border{ border-color:rgb(129, 78, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 78, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 78, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 78, 155); box-shadow:4px 4px 4px 4px rgb(129, 78, 155) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 49.023, 316.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 78, 155) }
```

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

```
.background{ background-color: rgb(129, 78,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor