

# Converting Colors

CIELCh(46, 71.784, 315.348)

Have a look what the booklet for  
CIELCh(46, 71.784, 315.348)  
contains.

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**Color**

**CIELCh(46, 72.142, 315.339)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	944BC3
RGB	148, 75, 195
RGB Percent	58%, 29%, 76%
CMY	0.4196, 0.7059, 0.2353
CMYK	0.24, 0.62, 0.00, 0.24
HSL	277°, 50%, 53%
HSV	277°, 62%, 76%
XYZ	24.5799, 15.2687, 53.2829
YIQ	110.5070, 4.9880, 52.7960

# Conversions

## Conversions Part 2

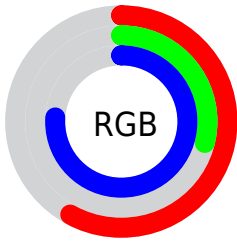
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 75, 195
Decimal	9718723
CIE <sub>Lab</sub>	46.00, 51.31, -50.71
CIE <sub>LCh</sub>	46, 72.142, 315.339
Yxy	15.2687, 0.2639, 0.1639
Android (android.graphics.Color)	4287908803 (0xFF944BC3)
YUV	110.5070, 41.6550, 32.8814
Hunter-Lab	39.0751, 43.9023, -53.4953

# Details

The CIELCh color **46, 72.142, 315.339** 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 **72, 67.667, 129.987**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.734, 315.341**, and **26, 72.029, 315.433** is the 20% darker color. If you saturate the color by 10%, you get **42, 82.260, 315.522**, and if you desaturate by 10%, it is **51, 60.903, 315.009**.

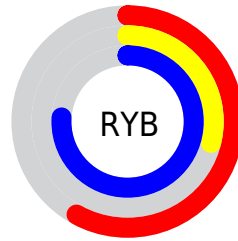
# Distribution



Red (58%)

Green (29%)

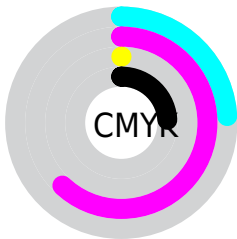
Blue (76%)



Red (58%)

Yellow (29%)

Blue (76%)

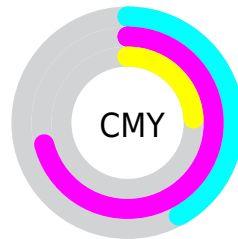


Cyan (24%)

Magenta (62%)

Yellow (0%)

Black (24%)



Cyan (42%)

Magenta (71%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 72.142, 315.339 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 46, 72.142, 315.339 by changing the saturation by 10% instead.





 46, 72.142,  
315.339


 46, 72.142,  
315.339


 100, 72.142,  
315.339


 36, 72.142,  
315.339

 66, 72.142,  
315.339


 26, 72.142,  
315.339

 76, 72.142,  
315.339

 16, 72.142,  
315.339

 86, 72.142,  
315.339

 6, 72.142, 315.339

 96, 72.142,  
315.339

 0, 72.142, 315.339

 46, 72.142,

 46, 72.142,

315.339

42, 82.260,  
315.522

38, 90.587,  
315.477

35, 96.462,  
315.118

34, 99.675,  
314.598

315.339

51, 60.903,  
315.009

56, 49.085,  
314.594

61, 37.064,  
314.142


67, 25.082,  
313.682

72, 13.285,  
313.232

78, 1.755, 312.738

84, 9.467, 132.452

89, 20.363,  
132.090

 95, 30.933,  
131.769

# Harmonies

# Complementary

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



46, 72.142, 315.339



72, 67.667, 129.987

# Rectangle

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



46, 72.142, 315.339



46, 72.142, 5.339



46, 72.142, 135.339



46, 72.142, 185.339

# Sweetspot

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



46, 72.141, 315.339



87, 25.761, 313.534



51, 42.928, 278.204



45, 18.105, 313.668



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



46, 72.141, 315.339



52, 103.844, 315.537



52, 69.624, 330.788



38, 6.478, 313.136



27, 86.240, 314.753



2, 20.672, 309.402



# Inverse Universe

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



50, 52.299, 358.447



59, 73.981, 2.176



70, 70.773, 141.599



38, 4.752, 350.726



34, 60.054, 11.860



3, 15.050, 358.627



# Previews

## White Background



This preview shows how the CIELCh color 46, 72.142, 315.339 looks on a white background.

## Color Contrast Check

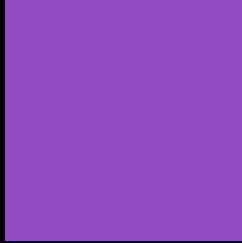
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 72.142, 315.339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

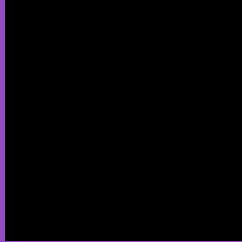
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 46, 72.142, 315.339

## Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.142, 315.339.

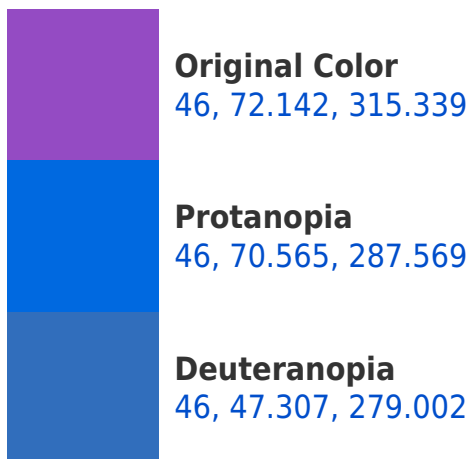


This preview shows how white text looks on a background with the CIELCh color 46, 72.142, 315.339.

# 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**  
46, 15.041, 3.200

# Trichromacy



**Original Color**  
46, 72.142, 315.339



**Protanomaly**  
44, 70.839, 292.882



**Deuteranomaly**  
45, 55.916, 294.207



**Tritanomaly**  
45, 34.043, 325.678

# Monochromacy



**Original Color**  
46, 72.142, 315.339



**Achromatopsia**  
47, 0.006, 296.813



**Achromatomaly**  
46, 27.998, 313.515

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 72.142, 315.339 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(148, 75, 195)` looks like.

```
.text, #text, p{  
    color:rgb(148, 75, 195)  
}
```

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(148, 75, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 75, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 72.142, 315.339 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(148, 75, 195) }
```

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

```
.border{ border-color:rgb(148, 75, 195) }
```

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

Here you see how a box with a 4 pixel rgb(148, 75, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 75, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 75, 195);  
box-shadow:4px 4px 4px 4px rgb(148, 75,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 72.142, 315.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 75, 195) }
```

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

```
.background{ background-color: rgb(148, 75,  
195) }
```

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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