

Converting Colors

CIELCh(46, 72.297, 315.601)

Have a look what the booklet for
CIELCh(46, 72.297, 315.601)
contains.

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Color

CIELCh(46, 72.164, 315.590)

Conversions

Conversions Part 1

Format	Color
Hex	954BC3
RGB	149, 75, 195
RGB Percent	58%, 29%, 76%
CMY	0.4171, 0.7072, 0.2367
CMYK	0.24, 0.62, 0.00, 0.24
HSL	277°, 50%, 53%
HSV	277°, 62%, 76%
XYZ	24.6348, 15.2687, 53.0703
YIQ	110.8060, 5.5840, 53.0080

Conversions

Conversions Part 2

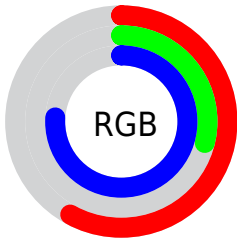
Format	Color
RYB	149, 75, 195
Decimal	9784259
CIELab	46.00, 51.55, -50.50
CIElCh	46, 72.164, 315.590
Yxy	15.2687, 0.2650, 0.1642
Android (android.graphics.Color)	4287974339 (0xFF954BC3)
YUV	110.8060, 41.5076, 33.4961
Hunter-Lab	39.0751, 44.1534, -53.1727

Details

The CIELCh color **46, 72.164, 315.590** 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, 67.826, 130.237**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.796, 315.592**, and **26, 71.961, 315.669** is the 20% darker color. If you saturate the color by 10%, you get **42, 82.211, 315.764**, and if you desaturate by 10%, it is **51, 60.975, 315.268**.

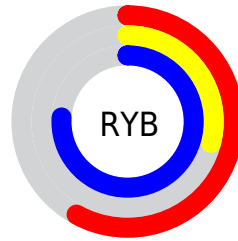
Distribution



Red (58%)

Green (29%)

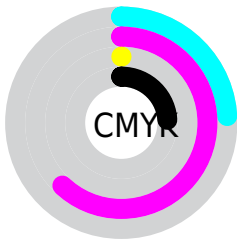
Blue (76%)



Red (58%)

Yellow (29%)

Blue (76%)

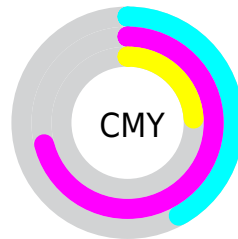


Cyan (24%)

Magenta (62%)

Yellow (0%)

Black (24%)



Cyan (42%)


Magenta (71%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 72.164, 315.590 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, 72.164, 315.590 by changing the saturation by 10% instead.


 46, 72.164,
315.590


 46, 72.164,
315.590


 100, 72.164,
315.590


 36, 72.164,
315.590

 66, 72.164,
315.590


 26, 72.164,
315.590

 76, 72.164,
315.590

 16, 72.164,
315.590

 86, 72.164,
315.590

 6, 72.164, 315.590

 96, 72.164,
315.590

 0, 72.164, 315.590

 46, 72.164,

 46, 72.164,

315.590

42, 82.211,
315.764

38, 90.453,
315.710

36, 96.240,
315.345

34, 99.369,
314.831

315.590

51, 60.975,
315.268

56, 49.189,
314.860

61, 37.183,
314.413

67, 25.205,
313.956

72, 13.406,
313.508

78, 1.868, 313.020

83, 9.364, 132.730

89, 20.273,
132.367

■ 95, 30.856,
132.045

Harmonies

Complementary

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



46, 72.164, 315.590



72, 67.826, 130.237

Rectangle

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



46, 72.164, 315.590



46, 72.164, 5.590



46, 72.164, 135.590



46, 72.164, 185.590

Sweetspot

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



46, 72.163, 315.590



87, 25.807, 313.805



51, 42.935, 278.233



45, 18.137, 313.939



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, 72.163, 315.590



53, 103.796, 315.775



52, 69.609, 330.792



38, 6.491, 313.408



27, 86.095, 314.983



2, 20.714, 309.728

Inverse Universe

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



49, 52.171, 359.073



58, 73.885, 2.836



70, 70.765, 141.587



38, 4.729, 351.245



34, 60.150, 12.651



3, 15.003, 359.084

Previews

White Background



This preview shows how the CIELCh color 46, 72.164, 315.590 looks on a white background.

Color Contrast Check

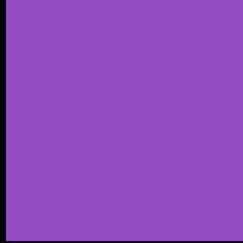
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.164, 315.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

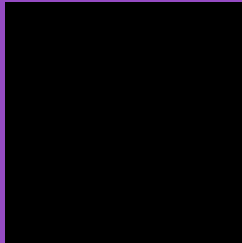
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 72.164, 315.590

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.164, 315.590.



This preview shows how white text looks on a background with the CIELCh color 46, 72.164, 315.590.

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



Original Color
46, 72.164, 315.590

Protanopia
46, 70.565, 287.569

Deuteranopia
46, 47.273, 279.175



Tritanopia
46, 14.915, 5.388

Trichromacy



Original Color
46, 72.164, 315.590



Protanomaly
44, 70.839, 292.882



Deuteranomaly
45, 55.328, 294.345



Tritanomaly
45, 33.576, 326.243

Monochromacy



Original Color
46, 72.164, 315.590



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 28.155, 314.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.164, 315.590 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(149, 75, 195)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 75, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 75, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 72.164, 315.590 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(149, 75, 195) }
```

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

```
.border{ border-color:rgb(149, 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(149, 75, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 75, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 75, 195);  
box-shadow:4px 4px 4px 4px rgb(149, 75,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 72.164, 315.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 75, 195) }
```

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

```
.background{ background-color: rgb(149, 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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