

Converting Colors

CIELCh(46, 76.007, 318.814)

Have a look what the booklet for
CIELCh(46, 76.007, 318.814)
contains.

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Color

CIELCh(46, 76.171, 318.951)

Conversions

Conversions Part 1

Format	Color
Hex	9F43C2
RGB	159, 67, 194
RGB Percent	62%, 26%, 76%
CMY	0.3766, 0.7374, 0.2394
CMYK	0.18, 0.65, 0.00, 0.24
HSL	283°, 51%, 51%
HSV	283°, 65%, 76%
XYZ	26.0266, 15.2687, 52.5886
YIQ	108.9860, 14.0650, 59.0010

Conversions

Conversions Part 2

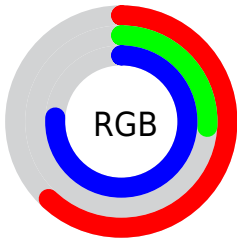
Format	Color
R _Y B	159, 67, 194
Decimal	10437570
CIE _{Lab}	46.00, 57.44, -50.02
CIE _{LCh}	46, 76.171, 318.951
Yxy	15.2687, 0.2772, 0.1626
Android (android.graphics.Color)	4288627650 (0xFF9F43C2)
YUV	108.9860, 41.9119, 43.8623
Hunter-Lab	39.0751, 50.5112, -52.4418

Details

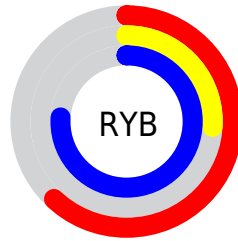
The CIELCh color **46, 76.171, 318.951** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **71, 73.451, 133.127**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.116, 319.086**, and **26, 76.085, 318.709** is the 20% darker color. If you saturate the color by 10%, you get **42, 84.973, 319.001**, and if you desaturate by 10%, it is **50, 65.792, 318.735**.

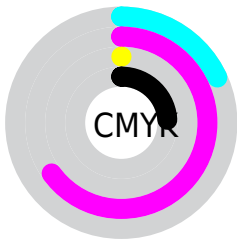
Distribution



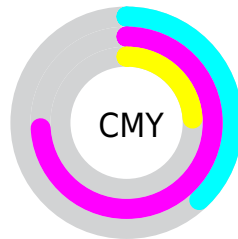
- Red (62%)
- Green (26%)
- Blue (76%)



- Red (62%)
- Yellow (26%)
- Blue (76%)



- Cyan (18%)
- Magenta (65%)
- Yellow (0%)
- Black (24%)





- Cyan (38%)
- Magenta (74%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 76.171, 318.951 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, 76.171, 318.951 by changing the saturation by 10% instead.


 46, 76.171,
318.951


 46, 76.171,
318.951


 100, 76.171,
318.951


 36, 76.171,
318.951

 66, 76.171,
318.951


 26, 76.171,
318.951

 76, 76.171,
318.951

 16, 76.171,
318.951

 86, 76.171,
318.951

 6, 76.171, 318.951

 96, 76.171,
318.951

 0, 76.171, 318.951

 46, 76.171,

 46, 76.171,

318.951

42, 84.973,
319.001

40, 91.611,
318.823

38, 95.691,
318.368

37, 97.053,
318.117

318.951

50, 65.792,
318.735

55, 54.415,
318.407

60, 42.506,
318.012

65, 30.401,
317.584

70, 18.326,
317.145

75, 6.423, 316.700

81, 5.224, 136.356

86, 16.570,
135.949

■ 92, 27.596,
135.590

Harmonies

Complementary

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



46, 76.171, 318.951



71, 73.451, 133.127

Rectangle

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



46, 76.171, 318.951



46, 76.171, 8.951



46, 76.171, 138.951



46, 76.171, 188.951

Sweetspot

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



46, 76.170, 318.951



86, 29.454, 317.358



45, 54.232, 288.019



44, 20.302, 317.484



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, 76.170, 318.951



54, 107.841, 318.948



50, 67.141, 335.738



38, 6.669, 316.876



30, 84.349, 318.241



3, 21.380, 314.180

Inverse Universe

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



48, 53.917, 8.338



56, 77.332, 13.642



70, 68.461, 144.492



38, 4.466, 358.498



33, 62.594, 22.614



3, 14.524, 4.712

Previews

White Background



This preview shows how the CIELCh color 46, 76.171, 318.951 looks on a white background.

Color Contrast Check

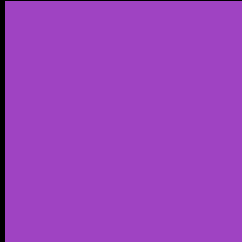
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.171, 318.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

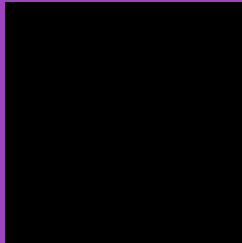
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 76.171, 318.951

Background



This preview shows how black text looks on a background with the CIELCh color 46, 76.171, 318.951.

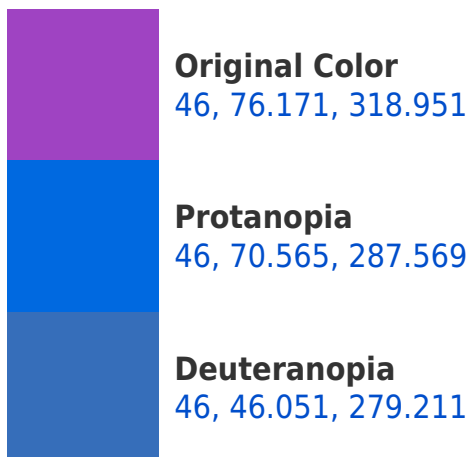


This preview shows how white text looks on a background with the CIELCh color 46, 76.171, 318.951.

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, 21.846, 11.685

Trichromacy



Original Color
46, 76.171, 318.951



Protanomaly
43, 72.688, 294.321



Deuteranomaly
44, 56.615, 296.943



Tritanomaly
45, 38.014, 334.523

Monochromacy



Original Color
46, 76.171, 318.951



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 30.104, 317.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 76.171, 318.951 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(159, 67, 194)` looks like.

```
.text, #text, p{  
    color:rgb(159, 67, 194)  
}
```

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(159, 67, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 67, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 76.171, 318.951 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(159, 67, 194) }
```

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

```
.border{ border-color:rgb(159, 67, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 67, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 67, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 67, 194);  
box-shadow:4px 4px 4px 4px rgb(159, 67,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 76.171, 318.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 67, 194) }
```

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

```
.background{ background-color: rgb(159, 67,  
194) }
```

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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