

Converting Colors

CIELCh(46, 48.829, 322.018)

Have a look what the booklet for
CIELCh(46, 48.829, 322.018)
contains.

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Color

CIELCh(46, 48.829, 322.018)

Conversions

Conversions Part 1

Format	Color
Hex	9455A0
RGB	148, 85, 160
RGB Percent	58%, 33%, 63%
CMY	0.4205, 0.6675, 0.3734
CMYK	0.08, 0.47, 0.00, 0.37
HSL	290°, 31%, 48%
HSV	290°, 47%, 63%
XYZ	21.7288, 15.2687, 34.9562
YIQ	112.3870, 13.4730, 36.6810

Conversions

Conversions Part 2

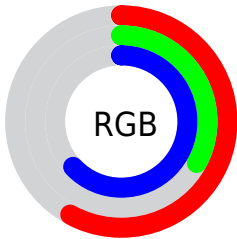
Format	Color
R _Y B	148, 85, 160
Decimal	9721248
CIE Lab	46.00, 38.49, -30.05
CIE LCh	46, 48.829, 322.018
Yxy	15.2687, 0.3020, 0.2122
Android (android.graphics.Color)	4287911328 (0xFF9455A0)
YUV	112.3870, 23.4732, 31.2326
Hunter-Lab	39.0751, 30.8785, -25.6875

Details

The CIELCh color $46, 48.829, 322.018$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $60, 48.184, 137.184$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 48.459, 321.821$, and $26, 48.581, 321.872$ is the 20% darker color. If you saturate the color by 10%, you get $42, 58.318, 322.341$, and if you desaturate by 10%, it is $50, 38.687, 321.627$.

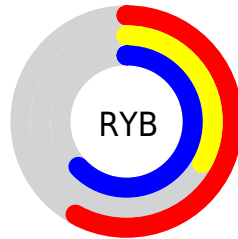
Distribution



Red (58%)

Green (33%)

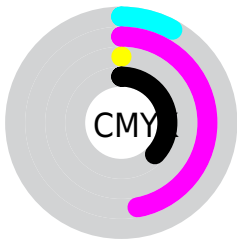
Blue (63%)



Red (58%)

Yellow (33%)

Blue (63%)

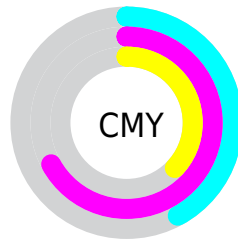


Cyan (8%)

Magenta (47%)

Yellow (0%)

Black (37%)



Cyan (42%)

Magenta (67%)

Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 48.829, 322.018 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, 48.829, 322.018 by changing the saturation by 10% instead.

 46, 48.829,
322.018

 46, 48.829,
322.018


 100, 48.829,
322.018

 36, 48.829,
322.018

 66, 48.829,
322.018

 26, 48.829,
322.018

 76, 48.829,
322.018

 16, 48.829,
322.018

 86, 48.829,
322.018

 6, 48.829, 322.018

 96, 48.829,
322.018

 0, 48.829, 322.018

 46, 48.829,

 46, 48.829,

322.018

42, 58.318,
322.341

39, 66.753,
322.563

37, 73.681,
322.647

35, 78.707,
322.558

34, 81.750,
322.285

33, 82.560,
322.194

322.018

50, 38.687,
321.627

54, 28.220,
321.194

58, 17.664,
320.741

63, 7.177, 320.275

67, 3.136, 139.918

72, 13.215,
139.449

76, 23.027,
139.041

81, 32.557,
138.662

■ 85, 41.804,
138.311

Harmonies

Complementary

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



46, 48.829, 322.018



60, 48.184, 137.184

Rectangle

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



46, 48.829, 322.018



46, 48.829, 12.018



46, 48.829, 142.018



46, 48.829, 192.018

Sweetspot

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



46, 48.827, 322.018



75, 17.973, 320.619



43, 37.619, 289.606



39, 12.524, 320.713



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 48.827, 322.018



55, 70.691, 322.344



47, 40.277, 339.385



31, 5.817, 320.385



29, 76.029, 322.248



1, 7.491, 319.142

Inverse Universe

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



45, 33.008, 12.390



54, 49.061, 14.688



60, 39.705, 151.364



31, 3.609, 7.090



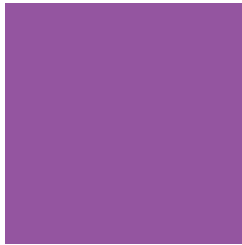
29, 61.267, 31.119



1, 4.593, 6.990

Previews

White Background



This preview shows how the CIELCh color 46, 48.829, 322.018 looks on a white background.

Color Contrast Check

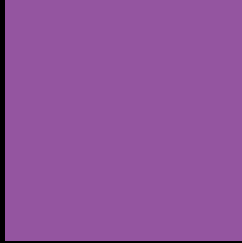
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.829, 322.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

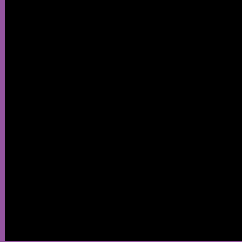
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 48.829, 322.018

Background



This preview shows how black text looks on a background with the CIELCh color 46, 48.829, 322.018.

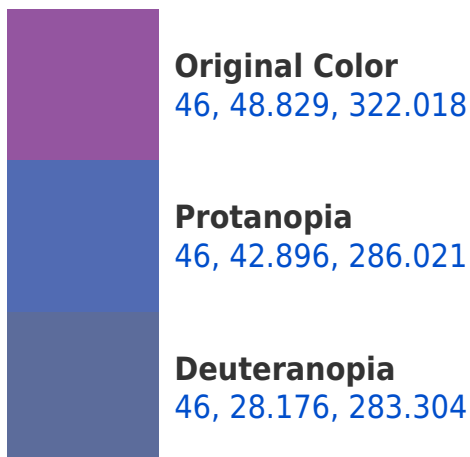


This preview shows how white text looks on a background with the CIELCh color 46, 48.829, 322.018.

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, 18.325, 8.985

Trichromacy



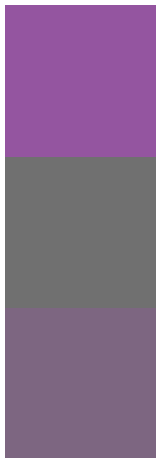
Original Color
46, 48.829, 322.018

Protanomaly
46, 43.533, 298.249

Deuteranomaly
46, 34.299, 301.403

Tritanomaly
46, 27.246, 339.516

Monochromacy



Original Color
46, 48.829, 322.018

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 18.428, 321.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 48.829, 322.018 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, 85, 160)` looks like.

```
.text, #text, p{  
    color:rgb(148, 85, 160)  
}
```

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, 85, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 85, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 48.829, 322.018 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, 85, 160) }
```

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

```
.border{ border-color:rgb(148, 85, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 85, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 85, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 85, 160); box-shadow:4px 4px 4px 4px rgb(148, 85, 160) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 48.829, 322.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 85, 160) }
```

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

```
.background{ background-color: rgb(148, 85,  
160) }
```

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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