

Converting Colors

CIELCh(48, 42.937, 307.307)

Have a look what the booklet for
CIELCh(48, 42.937, 307.307)
contains.

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Color

CIELCh(48, 42.879, 307.291)

Conversions

Conversions Part 1

Format	Color
Hex	8065AC
RGB	128, 101, 172
RGB Percent	50%, 40%, 67%
CMY	0.4991, 0.6049, 0.3266
CMYK	0.26, 0.41, 0.00, 0.33
HSL	263°, 30%, 53%
HSV	263°, 41%, 67%
XYZ	20.9104, 16.7945, 41.0294
YIQ	117.1670, -6.6990, 27.8050

Conversions

Conversions Part 2

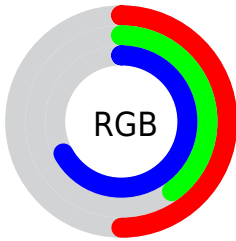
Format	Color
R _Y B	128, 101, 172
Decimal	8414636
CIE Lab	48.00, 25.98, -34.11
CIE LCh	48, 42.879, 307.291
Yxy	16.7945, 0.2656, 0.2133
Android (android.graphics.Color)	4286604716 (0xFF8065AC)
YUV	117.1670, 27.0327, 9.5005
Hunter-Lab	40.9810, 19.3621, -30.6732

Details

The CIELCh color $48, 42.879, 307.291$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $67, 39.746, 122.675$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 43.197, 307.254$, and $28, 42.424, 307.351$ is the 20% darker color. If you saturate the color by 10%, you get $43, 53.806, 308.013$, and if you desaturate by 10%, it is $53, 32.068, 306.595$.

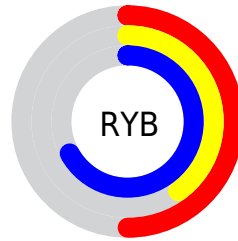
Distribution



Red (50%)

Green (40%)

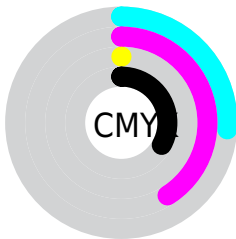
Blue (67%)



Red (50%)

Yellow (40%)

Blue (67%)

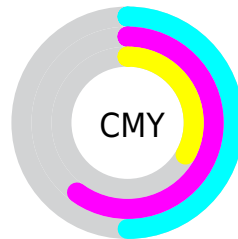


Cyan (26%)

Magenta (41%)

Yellow (0%)

Black (33%)



Cyan (50%)


Magenta (60%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 42.879, 307.291 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 48, 42.879, 307.291 by changing the saturation by 10% instead.

 48, 42.879,
307.291


 48, 42.879,
307.291


 100, 42.879,
307.291


 38, 42.879,
307.291

 68, 42.879,
307.291


 28, 42.879,
307.291

 78, 42.879,
307.291

 18, 42.879,
307.291

 88, 42.879,
307.291

 8, 42.879, 307.291

 98, 42.879,
307.291

 0, 42.879, 307.291

 48, 42.879,

 48, 42.879,

307.291

■ 43, 53.806,
308.013

■ 38, 64.607,
308.717

■ 33, 74.850,
309.326

■ 29, 83.858,
309.725

■ 26, 90.757,
309.771

■ 24, 95.069,
309.578

307.291

■ 53, 32.068,
306.595

■ 59, 21.503,
305.948

■ 64, 11.242,
305.360


■ 70, 1.306, 304.791

■ 75, 8.304, 124.390

■ 80, 17.596,
123.982

■ 86, 26.584,
123.629

■ 91, 35.283,
123.324

 96, 43.546,
122.979

Harmonies

Complementary

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



48, 42.879, 307.291



67, 39.746, 122.675

Rectangle

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



48, 42.879, 307.291



48, 42.879, 357.291



48, 42.879, 127.291



48, 42.879, 177.291

Sweetspot

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



48, 42.878, 307.291



81, 14.822, 305.409



58, 20.274, 245.698



42, 9.838, 305.480



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



48, 42.878, 307.291



56, 65.130, 307.982



52, 46.062, 322.630



34, 5.644, 305.248



20, 86.143, 309.690



1, 11.634, 302.179

Inverse Universe

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



52, 36.749, 341.164



62, 54.523, 342.191



65, 45.613, 138.249



34, 5.044, 338.360



33, 59.679, 350.709



2, 9.874, 342.369

Previews

White Background



This preview shows how the CIELCh color 48, 42.879, 307.291 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 CIE LCh color 48, 42.879, 307.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

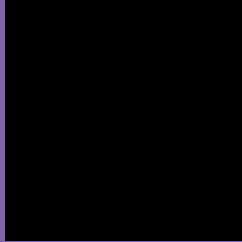
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 42.879, 307.291

Background



This preview shows how black text looks on a background with the CIELCh color 48, 42.879, 307.291.

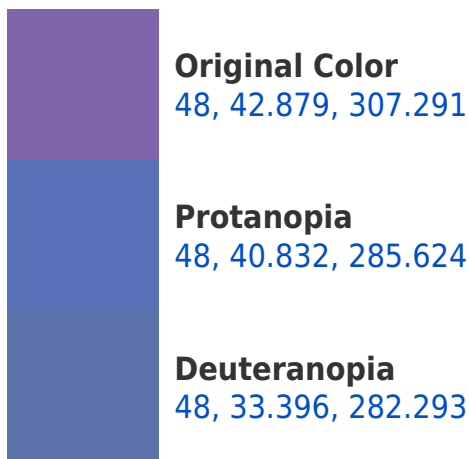



This preview shows how white text looks on a background with the CIELCh color 48, 42.879, 307.291.

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
48, 5.853, 314.942

Trichromacy



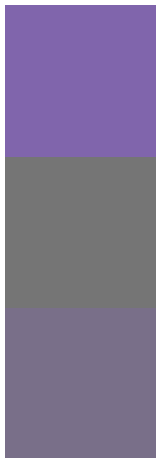
Original Color
48, 42.879, 307.291

Protanomaly
48, 41.231, 292.878

Deuteranomaly
48, 35.955, 292.260

Tritanomaly
48, 19.141, 308.440

Monochromacy



Original Color
48, 42.879, 307.291

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 15.851, 305.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 42.879, 307.291 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(128, 101, 172)` looks like.

```
.text, #text, p{  
    color:rgb(128, 101, 172)  
}
```

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(128, 101, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 101, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 42.879, 307.291 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(128, 101, 172) }
```

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

```
.border{ border-color:rgb(128, 101, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 101, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 101, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 101, 172);  
box-shadow:4px 4px 4px 4px rgb(128, 101,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 42.879, 307.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 101, 172) }
```

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

```
.background{ background-color: rgb(128,  
101, 172) }
```

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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