

Converting Colors

CIELCh(46, 48.519, 274.367)

Have a look what the booklet for
CIELCh(46, 48.519, 274.367)
contains.

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Color

CIELCh(46, 48.274, 274.064)

Conversions

Conversions Part 1

Format	Color
Hex	0370BE
RGB	3, 112, 190
RGB Percent	1%, 44%, 75%
CMY	0.9880, 0.5616, 0.2558
CMYK	0.98, 0.41, 0.00, 0.26
HSL	205°, 97%, 38%
HSV	205°, 98%, 74%
XYZ	15.0769, 15.2687, 50.7316
YIQ	88.3010, -90.0020, 1.1500

Conversions

Conversions Part 2

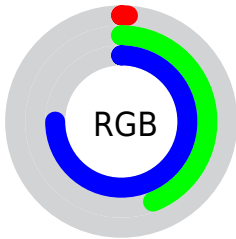
Format	Color
R_{YB}	3, 72, 190
Decimal	225470
CIE _{Lab}	46.00, 3.42, -48.15
CIE _{LCh}	46, 48.274, 274.064
Yxy	15.2687, 0.1860, 0.1883
Android (android.graphics.Color)	4278415550 (0xFF0370BE)
YUV	88.3010, 50.1376, -74.8090
Hunter-Lab	39.0751, 0.4918, -49.6241

Details

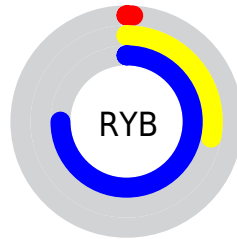
The CIELCh color **46, 48.274, 274.064** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 70.094, 54.530**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 48.479, 274.161**, and **28, 46.102, 284.959** is the 20% darker color. If you saturate the color by 10%, you get **46, 48.976, 274.811**, and if you desaturate by 10%, it is **49, 44.059, 269.214**.

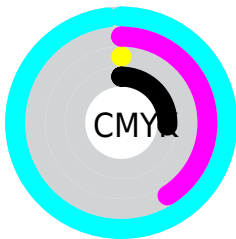
Distribution



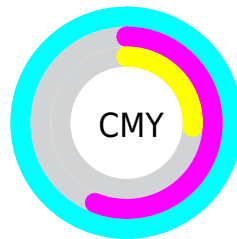
- Red (1%)
- Green (44%)
- Blue (75%)



- Red (1%)
- Yellow (28%)
- Blue (75%)



- Cyan (98%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)





- Cyan (99%)
- Magenta (56%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 48.274, 274.064 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, 48.274, 274.064 by changing the saturation by 10% instead.


 46, 48.274,
274.064


 46, 48.274,
274.064


 100, 48.274,
274.064

 36, 48.274,
274.064

 66, 48.274,
274.064

 26, 48.274,
274.064

 76, 48.274,
274.064

 16, 48.274,
274.064

 86, 48.274,
274.064

 6, 48.274, 274.064

 96, 48.274,
274.064

 0, 48.274, 274.064

 46, 48.274,

 46, 48.274,

274.064

274.064

■ 46, 48.976,
274.811

■ 49, 44.059,
269.214

■ 51, 39.882,
264.676

■ 54, 35.594,
260.666

■ 57, 31.096,
257.230

■ 60, 26.340,
254.344

■ 64, 21.314,
251.949

■ 67, 16.037,
249.975

■ 70, 10.544,
248.354

Harmonies

Complementary

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



46, 48.274, 274.064



48, 70.094, 54.530

Rectangle

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



46, 48.274, 274.064



46, 48.274, 324.064



46, 48.274, 94.064



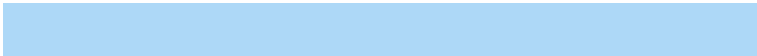
46, 48.274, 144.064

Sweetspot

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



46, 48.273, 274.065



84, 20.943, 250.357



68, 76.628, 145.613



44, 14.300, 251.187



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 48.273, 274.065



59, 60.602, 275.686



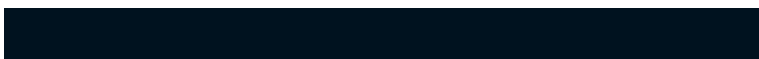
24, 102.312, 305.072



38, 3.272, 247.159



38, 42.294, 274.065



5, 10.643, 260.645

Inverse Universe

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



41, 69.312, 354.010



54, 84.518, 355.102



70, 72.819, 97.323



37, 5.270, 340.137



34, 60.808, 353.999



3, 14.683, 346.722

Previews

White Background



This preview shows how the CIE LCh color 46, 48.274, 274.064 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, 48.274, 274.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

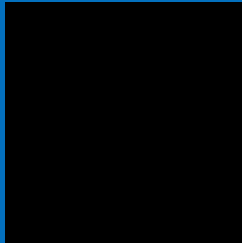
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 48.274, 274.064

Background



This preview shows how black text looks on a background with the CIELCh color 46, 48.274, 274.064.

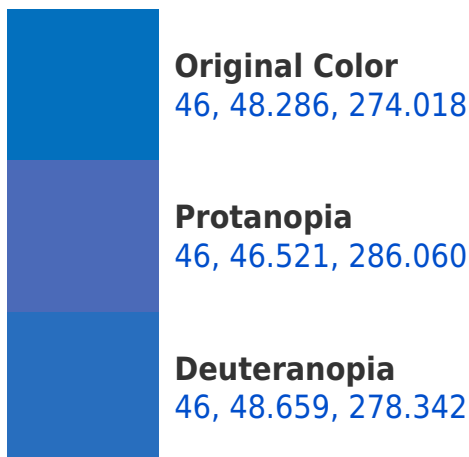


This preview shows how white text looks on a background with the CIELCh color 46, 48.274, 274.064.

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, 27.957, 206.525

Trichromacy



Original Color
46, 48.286, 274.018

Protanomaly
46, 47.343, 279.623

Deuteranomaly
46, 48.446, 276.191

Tritanomaly
46, 29.949, 238.922

Monochromacy



Original Color
46, 48.286, 274.018

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 20.746, 254.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 48.274, 274.064 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(3, 112, 190)` looks like.

```
.text, #text, p{  
    color:rgb(3, 112, 190)  
}
```

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(3, 112, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 112, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 48.274, 274.064 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(3, 112, 190) }
```

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

```
.border{ border-color:rgb(3, 112, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 112, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 112, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 112, 190);  
box-shadow:4px 4px 4px 4px rgb(3, 112,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 48.274, 274.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 112, 190) }
```

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

```
.background{ background-color: rgb(3, 112,  
190) }
```

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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