

Converting Colors

CIELCh(46, 47.819, 273.717)

Have a look what the booklet for
CIELCh(46, 47.819, 273.717)
contains.

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Color

CIELCh(46, 47.765, 273.629)

Conversions

Conversions Part 1

Format	Color
Hex	0470BD
RGB	4, 112, 189
RGB Percent	2%, 44%, 74%
CMY	0.9854, 0.5610, 0.2591
CMYK	0.98, 0.41, 0.00, 0.26
HSL	205°, 96%, 38%
HSV	205°, 98%, 74%
XYZ	15.0105, 15.2687, 50.2586
YIQ	88.4860, -89.0850, 1.0510

Conversions

Conversions Part 2

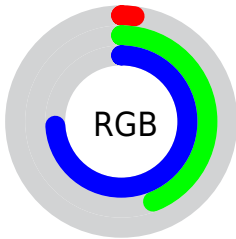
Format	Color
RYB	4, 72, 189
Decimal	291005
CIELab	46.00, 3.02, -47.67
CIELCh	46, 47.765, 273.629
Yxy	15.2687, 0.1864, 0.1896
Android (android.graphics.Color)	4278481085 (0xFF0470BD)
YUV	88.4860, 49.5534, -74.0942
Hunter-Lab	39.0751, 0.1885, -48.9064

Details

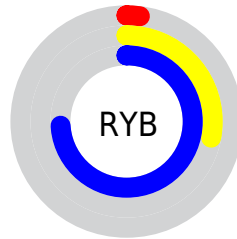
The CIELCh color **46, 47.765, 273.629** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 69.710, 54.476**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 47.987, 273.815**, and **28, 45.510, 284.594** is the 20% darker color. If you saturate the color by 10%, you get **46, 48.616, 274.550**, and if you desaturate by 10%, it is **49, 43.606, 268.774**.

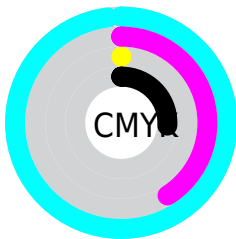
Distribution



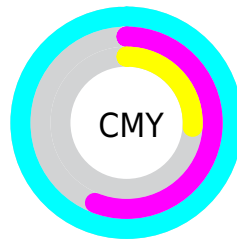
- Red (2%)
- Green (44%)
- Blue (74%)



- Red (2%)
- Yellow (28%)
- Blue (74%)



- 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, 47.765, 273.629 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, 47.765, 273.629 by changing the saturation by 10% instead.

 46, 47.765,
273.629


 46, 47.765,
273.629


 100, 47.765,
273.629


 36, 47.765,
273.629

 66, 47.765,
273.629


 26, 47.765,
273.629

 76, 47.765,
273.629

 16, 47.765,
273.629

 86, 47.765,
273.629

 6, 47.765, 273.629

 96, 47.765,
273.629

 0, 47.765, 273.629

 46, 47.765,

 46, 47.765,

273.629

273.629

■ 46, 48.616,
274.550

■ 49, 43.606,
268.774

■ 51, 39.473,
264.255

■ 54, 35.220,
260.269

■ 57, 30.752,
256.858

■ 60, 26.020,
253.997

■ 64, 21.017,
251.625

■ 67, 15.762,
249.671

■ 70, 10.290,
248.068

Harmonies

Complementary

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



46, 47.765, 273.629



48, 69.710, 54.476

Rectangle

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



46, 47.765, 273.629



46, 47.765, 323.629



46, 47.765, 93.629



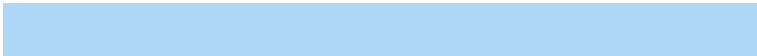
46, 47.765, 143.629

Sweetspot

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



46, 47.764, 273.630



84, 20.084, 249.930



67, 77.335, 145.014



43, 13.675, 250.740



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



46, 47.764, 273.630



58, 59.866, 275.413



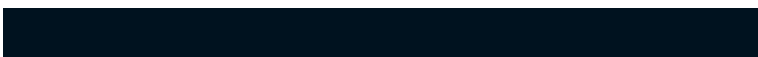
25, 100.619, 304.709



38, 3.269, 246.931



38, 42.135, 273.819



5, 10.624, 260.442

Inverse Universe

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



41, 69.111, 353.727



53, 83.926, 354.911



69, 71.720, 96.135



37, 5.277, 340.046



34, 60.854, 353.837



3, 14.702, 346.610

Previews

White Background



This preview shows how the CIE LCh color 46, 47.765, 273.629 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 46, 47.765, 273.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

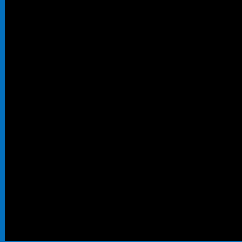
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 47.765, 273.629

Background



This preview shows how black text looks on a background with the CIELCh color 46, 47.765, 273.629.



This preview shows how white text looks on a background with the CIELCh color 46, 47.765, 273.629.

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, 47.765, 273.629

Protanopia

46, 45.923, 286.097

Deuteranopia

46, 48.066, 278.259



Tritanopia
46, 27.957, 206.525

Trichromacy



Original Color
46, 47.765, 273.629

Protanomaly
46, 46.767, 279.451

Deuteranomaly
46, 47.901, 275.888

Tritanomaly
46, 29.949, 238.922

Monochromacy



Original Color
46, 47.765, 273.629

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, 47.765, 273.629 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(4, 112, 189)` looks like.

```
.text, #text, p{  
    color:rgb(4, 112, 189)  
}
```

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(4, 112, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 112, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 47.765, 273.629 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(4, 112, 189) }
```

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

```
.border{ border-color:rgb(4, 112, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 112, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 112, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 112, 189);  
box-shadow:4px 4px 4px 4px rgb(4, 112,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 47.765, 273.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 112, 189) }
```

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

```
.background{ background-color: rgb(4, 112,  
189) }
```

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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