

Converting Colors

CIELCh(46, 44.684, 270.194)

Have a look what the booklet for
CIELCh(46, 44.684, 270.194)
contains.

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Color

CIELCh(46, 44.813, 270.331)

Conversions

Conversions Part 1

Format	Color
Hex	0071B8
RGB	0, 113, 184
RGB Percent	0%, 44%, 72%
CMY	1.0000, 0.5569, 0.2785
CMYK	1.00, 0.39, 0.00, 0.28
HSL	203°, 100%, 36%
HSV	203°, 100%, 72%
XYZ	14.5546, 15.2687, 47.5228
YIQ	87.3070, -90.1390, -1.8750

Conversions

Conversions Part 2

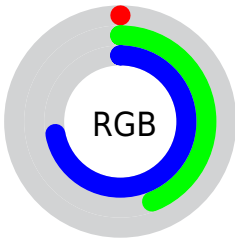
Format	Color
RYB	0, 70, 184
Decimal	29112
CIELab	46.00, 0.26, -44.81
CIELCh	46, 44.813, 270.331
Yxy	15.2687, 0.1882, 0.1974
Android (android.graphics.Color)	4278219192 (0xFF0071B8)
YUV	87.3070, 47.6696, -76.5682
Hunter-Lab	39.0751, -1.8942, -44.7554

Details

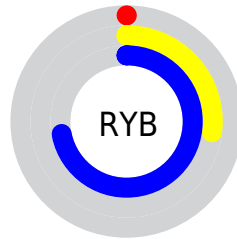
The CIELCh color **46, 44.813, 270.331** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 70.576, 52.233**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 44.743, 270.407**, and **28, 41.917, 281.833** is the 20% darker color. If you saturate the color by 10%, you get **46, 44.812, 270.333**, and if you desaturate by 10%, it is **48, 41.246, 265.440**.

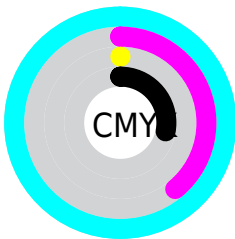
Distribution



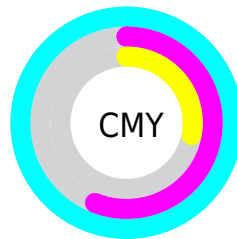
- Red (0%)
- Green (44%)
- Blue (72%)



- Red (0%)
- Yellow (27%)
- Blue (72%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (56%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 44.813, 270.331 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, 44.813, 270.331 by changing the saturation by 10% instead.


 46, 44.813,
270.331


 46, 44.813,
270.331


 100, 44.813,
270.331


 36, 44.813,
270.331

 66, 44.813,
270.331


 26, 44.813,
270.331

 76, 44.813,
270.331

 16, 44.813,
270.331

 86, 44.813,
270.331

 6, 44.813, 270.331

 96, 44.813,
270.331

 0, 44.813, 270.331

 46, 44.813,

 46, 44.813,

270.331

270.331

■ 46, 44.812,
270.333

■ 48, 41.246,
265.440

■ 51, 37.697,
260.823

■ 53, 33.981,
256.772

■ 56, 29.998,
253.325

■ 59, 25.698,
250.452

■ 62, 21.075,
248.087

■ 65, 16.153,
246.155

■ 68, 10.971,
244.582

Harmonies

Complementary

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



46, 44.813, 270.331



45, 70.576, 52.233

Rectangle

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



46, 44.813, 270.331



46, 44.813, 320.331



46, 44.813, 90.331



46, 44.813, 140.331

Sweetspot

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



46, 44.812, 270.333



83, 20.006, 246.243



66, 77.776, 144.011



42, 13.522, 247.011



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 44.812, 270.333



59, 55.351, 271.258



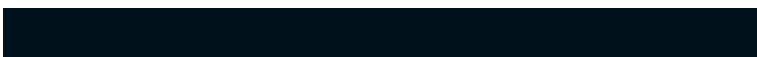
24, 98.694, 304.632



37, 3.155, 243.249



39, 39.199, 269.613



4, 9.211, 256.240

Inverse Universe

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



40, 68.840, 351.681



52, 83.686, 352.229



67, 69.945, 94.728



36, 5.268, 338.628



34, 60.953, 351.266



3, 13.144, 344.200

Previews

White Background



This preview shows how the CIELCh color 46, 44.813, 270.331 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, 44.813, 270.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

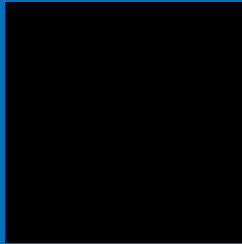
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 44.813, 270.331

Background



This preview shows how black text looks on a background with the CIELCh color 46, 44.813, 270.331.



This preview shows how white text looks on a background with the CIELCh color 46, 44.813, 270.331.

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, 44.813, 270.331

Protanomaly
46, 43.485, 277.061

Deuteranomaly
46, 45.659, 274.898

Tritanomaly
46, 29.501, 236.566

Monochromacy



Original Color
46, 44.813, 270.331

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 20.053, 251.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 44.813, 270.331 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(0, 113, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 184)  
}
```

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(0, 113, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 44.813, 270.331 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(0, 113, 184) }
```

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

```
.border{ border-color:rgb(0, 113, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 44.813, 270.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 184) }
```

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

```
.background{ background-color: rgb(0, 113,  
184) }
```

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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