

Converting Colors

CIELCh(40, 73.245, 210.099)

Have a look what the booklet for
CIELCh(40, 73.245, 210.099)
contains.

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Color

CIELCh(46, 30.360, 239.690)

Conversions

Conversions Part 1

Format	Color
Hex	007698
RGB	0, 118, 152
RGB Percent	0%, 46%, 60%
CMY	1.0000, 0.5363, 0.4031
CMYK	1.00, 0.22, 0.00, 0.40
HSL	193°, 100%, 30%
HSV	193°, 100%, 60%
XYZ	12.1566, 15.2687, 32.0973
YIQ	86.5940, -81.2420, -14.4420

Conversions

Conversions Part 2

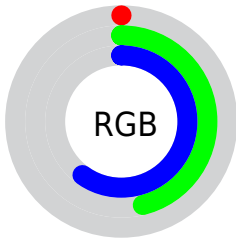
Format	Color
RYB	0, 66, 152
Decimal	30360
CIELab	46.00, -15.32, -26.21
CIELCh	46, 30.360, 239.690
Yxy	15.2687, 0.2042, 0.2565
Android (android.graphics.Color)	4278220440 (0xFF007698)
YUV	86.5940, 32.2452, -75.9429
Hunter-Lab	39.0751, -12.8486, -21.3497

Details

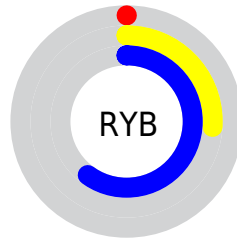
The CIELCh color **46, 30.360, 239.690** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 66.373, 44.577**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 30.193, 239.756**, and **28, 24.434, 254.220** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.262, 239.864**, and if you desaturate by 10%, it is **47, 29.247, 236.078**.

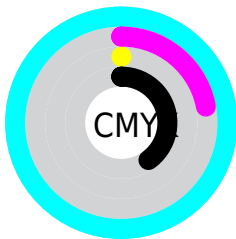
Distribution



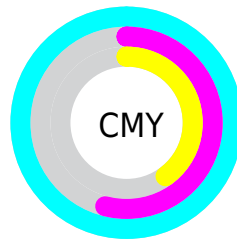
- Red (0%)
- Green (46%)
- Blue (60%)



- Red (0%)
- Yellow (26%)
- Blue (60%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (54%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.360, 239.690 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, 30.360, 239.690 by changing the saturation by 10% instead.


 46, 30.360,
239.690


 46, 30.360,
239.690


 100, 30.360,
239.690


 36, 30.360,
239.690

 66, 30.360,
239.690


 26, 30.360,
239.690

 76, 30.360,
239.690

 16, 30.360,
239.690

 86, 30.360,
239.690

 6, 30.360, 239.690

 96, 30.360,
239.690

 0, 30.360, 239.690

 46, 30.360,

 46, 30.360,

239.690

239.690

■ 46, 30.262,
239.864

■ 47, 29.247,
236.078

■ 49, 27.932,
232.749

■ 50, 26.114,
230.040

■ 52, 23.748,
227.882

■ 53, 20.841,
226.193

■ 55, 17.430,
224.891

■ 57, 13.574,
223.904

■ 59, 9.340, 223.175

Harmonies

Complementary

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



46, 30.360, 239.690



34, 66.373, 44.577

Rectangle

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



46, 30.360, 239.690



46, 30.360, 289.690



46, 30.360, 59.690



46, 30.360, 109.690

Sweetspot

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



46, 30.262, 239.864



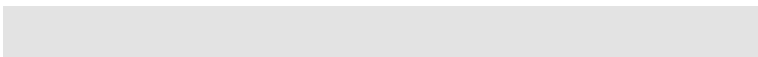
73, 16.846, 223.956



55, 75.495, 139.201



37, 11.305, 224.309



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 30.262, 239.864



59, 37.019, 240.818



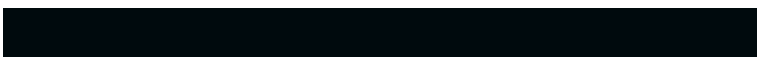
24, 70.651, 298.648



31, 2.727, 222.645



43, 28.476, 239.527



2, 2.996, 223.762

Inverse Universe

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



34, 66.353, 339.388



45, 80.628, 339.671



49, 56.587, 80.732



30, 5.085, 331.890



31, 62.580, 339.289



1, 5.410, 331.822

Previews

White Background



This preview shows how the CIE LCh color 46, 30.360, 239.690 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, 30.360, 239.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

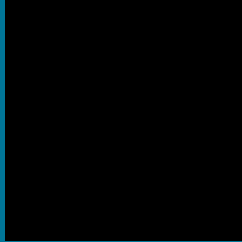
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.360, 239.690

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.360, 239.690.

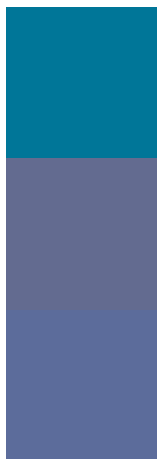


This preview shows how white text looks on a background with the CIELCh color 46, 30.360, 239.690.

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, 30.245, 239.974

Protanopia

46, 22.096, 285.943

Deuteranopia

46, 28.176, 283.304



Tritanopia
46, 27.899, 207.831

Trichromacy



Original Color
46, 30.245, 239.974

Protanomaly
45, 25.146, 257.942

Deuteranomaly
45, 28.399, 261.179

Tritanomaly
46, 27.805, 219.836

Monochromacy



Original Color
46, 30.245, 239.974

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 16.296, 227.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.360, 239.690 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, 118, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 152)  
}
```

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, 118, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.360, 239.690 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, 118, 152) }
```

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

```
.border{ border-color:rgb(0, 118, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.360, 239.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 152) }
```

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

```
.background{ background-color: rgb(0, 118,  
152) }
```

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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