

Converting Colors

CIELCh(46, 30.481, 240.797)

Have a look what the booklet for
CIELCh(46, 30.481, 240.797)
contains.

CIELCh(46, 30.513, 241.073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 30.513, 241.073)

Conversions

Conversions Part 1

Format	Color
Hex	007699
RGB	0, 118, 153
RGB Percent	0%, 46%, 60%
CMY	0.9993, 0.5371, 0.3998
CMYK	1.00, 0.23, 0.00, 0.40
HSL	194°, 100%, 30%
HSV	194°, 100%, 60%
XYZ	12.2383, 15.2687, 32.4575
YIQ	86.7080, -81.5630, -14.1310

Conversions

Conversions Part 2

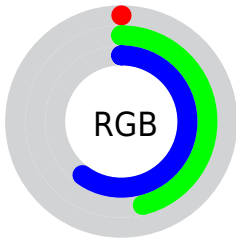
Format	Color
RYB	0, 67, 153
Decimal	30361
CIELab	46.00, -14.76, -26.71
CIELCh	46, 30.513, 241.073
Yxy	15.2687, 0.2041, 0.2546
Android (android.graphics.Color)	4278220441 (0xFF007699)
YUV	86.7080, 32.6820, -76.0429
Hunter-Lab	39.0751, -12.4754, -21.8963

Details

The CIELCh color **46, 30.513, 241.073** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 66.424, 44.785**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 30.326, 240.983**, and **28, 24.860, 255.505** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.525, 241.116**, and if you desaturate by 10%, it is **47, 29.442, 237.199**.

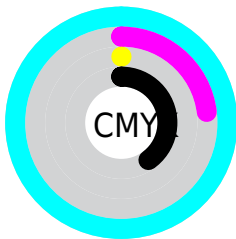
Distribution



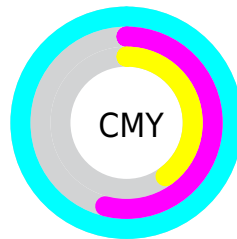
- Red (0%)
- Green (46%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (40%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.513, 241.073 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, 30.513, 241.073 by changing the saturation by 10% instead.


 46, 30.513,
241.073


 46, 30.513,
241.073


 100, 30.513,
241.073


 36, 30.513,
241.073

 66, 30.513,
241.073


 26, 30.513,
241.073


 76, 30.513,
241.073

 16, 30.513,
241.073

 86, 30.513,
241.073

 6, 30.513, 241.073

 96, 30.513,
241.073

 0, 30.513, 241.073

 46, 30.513,

 46, 30.513,

241.073

241.073

■ 46, 30.525,
241.116

■ 47, 29.442,
237.199

■ 49, 28.077,
233.790

■ 50, 26.217,
231.010

■ 52, 23.816,
228.792

■ 53, 20.878,
227.051

■ 55, 17.442,
225.705

■ 57, 13.565,
224.680

■ 59, 9.313, 223.918

Harmonies

Complementary

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



46, 30.513, 241.073



34, 66.424, 44.785

Rectangle

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



46, 30.513, 241.073



46, 30.513, 291.073



46, 30.513, 61.073



46, 30.513, 111.073

Sweetspot

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



46, 30.512, 241.073



73, 16.817, 224.743



55, 75.773, 139.207



37, 11.287, 225.111



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, 30.512, 241.073



59, 37.201, 242.066



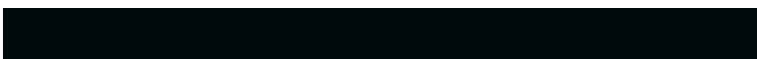
24, 70.888, 298.633



31, 2.720, 223.362



42, 28.600, 240.749



2, 2.990, 224.449

Inverse Universe

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



34, 66.328, 339.747



45, 80.289, 340.047



49, 56.784, 80.740



30, 5.064, 332.103



31, 62.322, 339.650



1, 5.388, 332.033

Previews

White Background



This preview shows how the CIELCh color 46, 30.513, 241.073 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, 30.513, 241.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

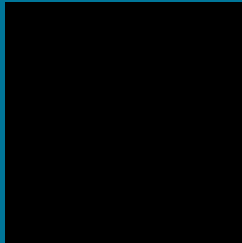
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.513, 241.073

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.513, 241.073.

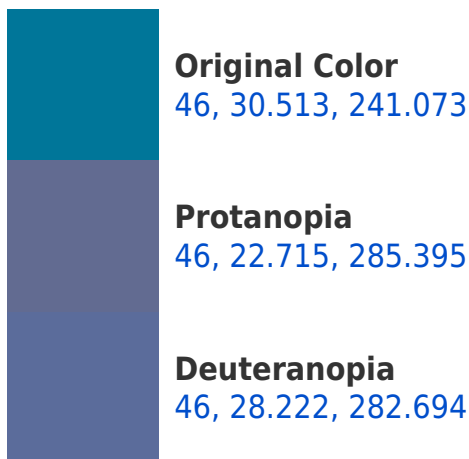



This preview shows how white text looks on a background with the CIELCh color 46, 30.513, 241.073.

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, 27.899, 207.831

Trichromacy



Original Color
46, 30.513, 241.073

Protanomaly
45, 25.711, 258.459

Deuteranomaly
45, 28.497, 260.802

Tritanomaly
46, 27.805, 219.836

Monochromacy



Original Color
46, 30.513, 241.073

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, 30.513, 241.073 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.513, 241.073 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, 153) }
```

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

```
.border{ border-color:rgb(0, 118, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.513, 241.073 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, 153) }
```

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

```
.background{ background-color: rgb(0, 118,  
153) }
```

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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