

Converting Colors

CIELCh(46, 31.034, 242.275)

Have a look what the booklet for
CIELCh(46, 31.034, 242.275)
contains.

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Color

CIELCh(46, 30.792, 242.153)

Conversions

Conversions Part 1

Format	Color
Hex	00769A
RGB	0, 118, 154
RGB Percent	0%, 46%, 60%
CMY	1.0000, 0.5375, 0.3964
CMYK	1.00, 0.23, 0.00, 0.40
HSL	194°, 100%, 30%
HSV	194°, 100%, 60%
XYZ	12.2930, 15.2687, 32.8381
YIQ	86.8220, -81.8840, -13.8200

Conversions

Conversions Part 2

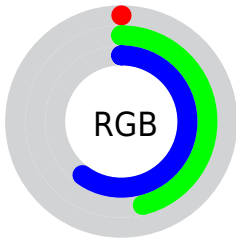
Format	Color
RYB	0, 67, 154
Decimal	30362
CIELab	46.00, -14.38, -27.23
CIELCh	46, 30.792, 242.153
Yxy	15.2687, 0.2035, 0.2528
Android (android.graphics.Color)	4278220442 (0xFF00769A)
YUV	86.8220, 33.1188, -76.1429
Hunter-Lab	39.0751, -12.2255, -22.4737

Details

The CIELCh color **46, 30.792, 242.153** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 66.654, 44.982**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 30.911, 242.863**, and **28, 25.296, 256.747** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.783, 242.169**, and if you desaturate by 10%, it is **47, 29.665, 238.220**.

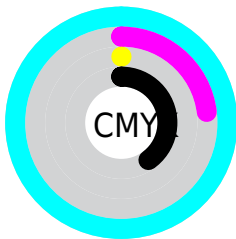
Distribution



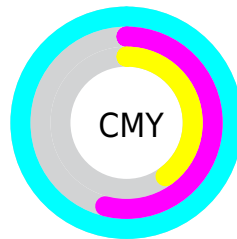
- Red (0%)
- Green (46%)
- Blue (60%)



- 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, 30.792, 242.153 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, 30.792, 242.153 by changing the saturation by 10% instead.


 46, 30.792,
242.153


 46, 30.792,
242.153


 100, 30.792,
242.153


 36, 30.792,
242.153

 66, 30.792,
242.153


 26, 30.792,
242.153

 76, 30.792,
242.153

 16, 30.792,
242.153

 86, 30.792,
242.153

 6, 30.792, 242.153

 96, 30.792,
242.153

 0, 30.792, 242.153

 46, 30.792,

 46, 30.792,

242.153

■ 46, 30.783,
242.169

242.153

■ 47, 29.665,
238.220

■ 49, 28.264,
234.733

■ 50, 26.376,
231.882

■ 52, 23.953,
229.602

■ 53, 20.997,
227.808

■ 55, 17.546,
226.417

■ 57, 13.655,
225.355

■ 59, 9.391, 224.560

Harmonies

Complementary

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



46, 30.792, 242.153



34, 66.654, 44.982

Rectangle

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



46, 30.792, 242.153



46, 30.792, 292.153



46, 30.792, 62.153



46, 30.792, 112.153

Sweetspot

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



46, 30.783, 242.169



72, 16.794, 225.409



55, 75.434, 139.586



37, 11.273, 225.789



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, 30.783, 242.169



59, 37.368, 243.111



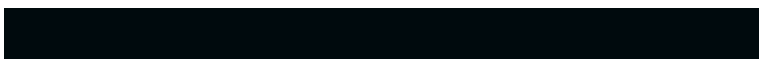
23, 72.989, 299.449



31, 2.715, 223.968



42, 28.714, 241.773



2, 2.985, 225.031

Inverse Universe

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



34, 66.385, 340.078



45, 80.007, 340.367



50, 57.290, 82.228



30, 5.047, 332.285



31, 62.107, 339.958



1, 5.369, 332.213

Previews

White Background



This preview shows how the CIELCh color 46, 30.792, 242.153 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, 30.792, 242.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

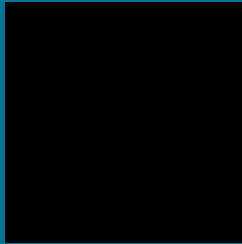
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.792, 242.153

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.792, 242.153.

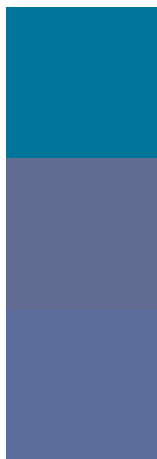


This preview shows how white text looks on a background with the CIELCh color 46, 30.792, 242.153.

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, 30.792, 242.153

Protanopia

46, 23.298, 285.700

Deuteranopia

46, 28.842, 282.454



Tritanopia
46, 27.899, 207.831

Trichromacy



Original Color
46, 30.792, 242.153

Protanomaly
45, 26.162, 259.401

Deuteranomaly
45, 29.053, 261.272

Tritanomaly
46, 27.880, 221.146

Monochromacy



Original Color
46, 30.792, 242.153

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, 30.792, 242.153 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.792, 242.153 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, 154) }
```

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

```
.border{ border-color:rgb(0, 118, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.792, 242.153 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, 154) }
```

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

```
.background{ background-color: rgb(0, 118,  
154) }
```

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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