

Converting Colors

CIELCh(47, 30.732, 239.701)

Have a look what the booklet for
CIELCh(47, 30.732, 239.701)
contains.

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Color

CIELCh(47, 30.593, 239.131)

Conversions

Conversions Part 1

Format	Color
Hex	00799B
RGB	0, 121, 155
RGB Percent	0%, 47%, 61%
CMY	1.0000, 0.5258, 0.3925
CMYK	1.00, 0.22, 0.00, 0.39
HSL	193°, 100%, 30%
HSV	193°, 100%, 61%
XYZ	12.7354, 16.0195, 33.3974
YIQ	88.6970, -83.0300, -15.0780

Conversions

Conversions Part 2

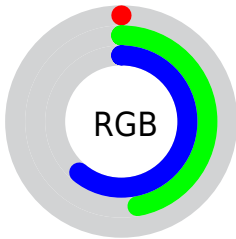
Format	Color
RYB	0, 68, 155
Decimal	31131
CIELab	47.00, -15.70, -26.26
CIElCh	47, 30.593, 239.131
Yxy	16.0195, 0.2049, 0.2577
Android (android.graphics.Color)	4278221211 (0xFF00799B)
YUV	88.6970, 32.6874, -77.7873
Hunter-Lab	40.0243, -13.2455, -21.4562

Details

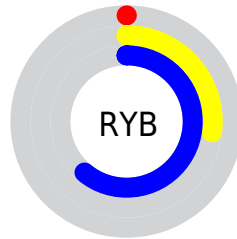
The CIELCh color **47, 30.593, 239.131** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 67.425, 44.431**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 30.789, 239.994**, and **28, 25.008, 254.553** is the 20% darker color. If you saturate the color by 10%, you get **47, 30.584, 239.146**, and if you desaturate by 10%, it is **48, 29.596, 235.393**.

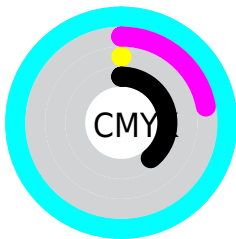
Distribution



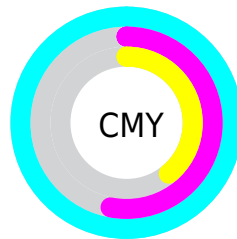
- Red (0%)
- Green (47%)
- Blue (61%)



- Red (0%)
- Yellow (27%)
- Blue (61%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (53%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.593, 239.131 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 47, 30.593, 239.131 by changing the saturation by 10% instead.


 47, 30.593,
239.131


 47, 30.593,
239.131


 100, 30.593,
239.131


 37, 30.593,
239.131

 67, 30.593,
239.131


 27, 30.593,
239.131

 77, 30.593,
239.131

 17, 30.593,
239.131

 87, 30.593,
239.131

 7, 30.593, 239.131

 97, 30.593,
239.131

 0, 30.593, 239.131

 47, 30.593,

 47, 30.593,

239.131

239.131

■ 47, 30.584,
239.146

■ 48, 29.596,
235.393

■ 50, 28.293,
232.105

■ 51, 26.473,
229.433

■ 52, 24.090,
227.308

■ 54, 21.152,
225.648

■ 56, 17.697,
224.372

■ 58, 13.787,
223.409

■ 60, 9.489, 222.700

Harmonies

Complementary

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



47, 30.593, 239.131



34, 67.425, 44.431

Rectangle

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



47, 30.593, 239.131



47, 30.593, 289.131



47, 30.593, 59.131



47, 30.593, 109.131

Sweetspot

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



47, 30.584, 239.146



74, 17.041, 223.458



56, 76.533, 139.173



38, 11.552, 223.809



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



47, 30.584, 239.146



60, 37.270, 240.057



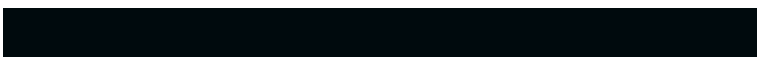
24, 71.685, 298.698



31, 2.731, 222.189



43, 28.403, 238.743



2, 3.001, 223.324

Inverse Universe

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



35, 67.385, 339.177



46, 81.609, 339.445



50, 57.323, 80.694



30, 5.099, 331.754



31, 62.746, 339.060



1, 5.424, 331.688

Previews

White Background



This preview shows how the CIELCh color 47, 30.593, 239.131 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 CIELCh color 47, 30.593, 239.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

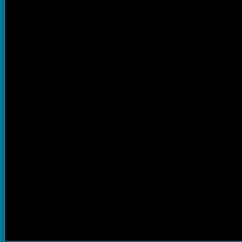
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.593, 239.131

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.593, 239.131.

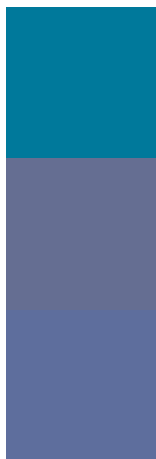


This preview shows how white text looks on a background with the CIELCh color 47, 30.593, 239.131.

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

47, 30.593, 239.131

Protanopia

47, 21.448, 284.643

Deuteranopia

47, 28.092, 283.205

Trichromacy

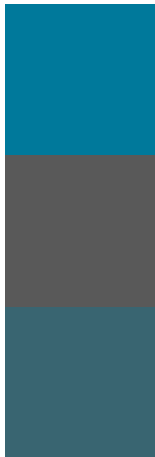


Original Color
47, 30.593, 239.131

Protanomaly
46, 24.920, 255.707

Deuteranomaly
46, 28.470, 260.562

Monochromacy



Original Color
47, 30.593, 239.131

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 16.358, 224.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.593, 239.131 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, 121, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 155)  
}
```

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, 121, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.593, 239.131 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, 121, 155) }
```

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

```
.border{ border-color:rgb(0, 121, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.593, 239.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 155) }
```

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

```
.background{ background-color: rgb(0, 121,  
155) }
```

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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