

Converting Colors

CIELCh(47, 36.101, 255.472)

Have a look what the booklet for
CIELCh(47, 36.101, 255.472)
contains.

CIELCh(47, 36.035, 255.775)	3
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Color

CIELCh(47, 36.035, 255.775)

Conversions

Conversions Part 1

Format	Color
Hex	0077AA
RGB	0, 119, 170
RGB Percent	0%, 47%, 67%
CMY	1.0000, 0.5343, 0.3344
CMYK	1.00, 0.30, 0.00, 0.33
HSL	198°, 100%, 33%
HSV	198°, 100%, 67%
XYZ	13.7846, 16.0195, 40.2612
YIQ	89.2330, -87.2950, -9.3670

Conversions

Conversions Part 2

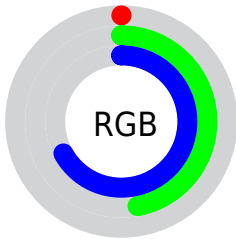
Format	Color
RYB	0, 70, 170
Decimal	30634
CIELab	47.00, -8.85, -34.93
CIELCh	47, 36.035, 255.775
Yxy	16.0195, 0.1967, 0.2286
Android (android.graphics.Color)	4278220714 (0xFF0077AA)
YUV	89.2330, 39.8181, -78.2573
Hunter-Lab	40.0243, -8.5663, -31.6239

Details

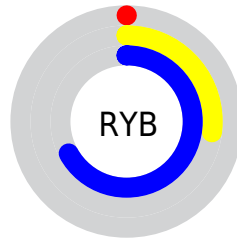
The CIELCh color **47, 36.035, 255.775** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 69.521, 47.655**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 36.178, 256.229**, and **29, 31.696, 269.153** is the 20% darker color. If you saturate the color by 10%, you get **47, 36.011, 255.834**, and if you desaturate by 10%, it is **49, 34.007, 251.136**.

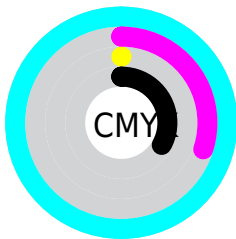
Distribution



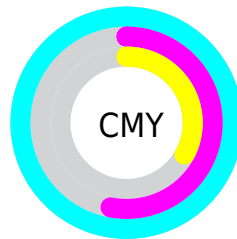
- Red (0%)
- Green (47%)
- Blue (67%)



- Red (0%)
- Yellow (27%)
- Blue (67%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (53%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 36.035, 255.775 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, 36.035, 255.775 by changing the saturation by 10% instead.


 47, 36.035,
255.775


 47, 36.035,
255.775


 100, 36.035,
255.775


 37, 36.035,
255.775

 67, 36.035,
255.775


 27, 36.035,
255.775

 77, 36.035,
255.775

 17, 36.035,
255.775

 87, 36.035,
255.775

 7, 36.035, 255.775

 97, 36.035,
255.775

 0, 36.035, 255.775

 47, 36.035,

 47, 36.035,

255.775

■ 47, 36.011,
255.834

255.775

■ 49, 34.007,
251.136

■ 51, 31.840,
246.873

■ 53, 29.305,
243.279

■ 55, 26.325,
240.325

■ 57, 22.880,
237.938

■ 59, 18.989,
236.032

■ 62, 14.698,
234.523

■ 64, 10.064,
233.337

Harmonies

Complementary

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



47, 36.035, 255.775



39, 69.521, 47.655

Rectangle

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



47, 36.035, 255.775



47, 36.035, 305.775



47, 36.035, 75.775



47, 36.035, 125.775

Sweetspot

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



47, 36.011, 255.834



79, 18.246, 234.596



61, 77.934, 141.278



41, 12.394, 235.179



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 36.011, 255.834



61, 44.356, 256.849



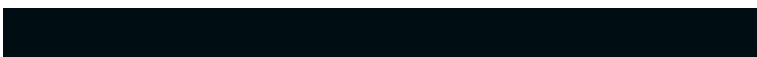
24, 85.807, 302.275



34, 2.897, 232.379



41, 32.378, 255.209



3, 5.416, 240.891

Inverse Universe

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



38, 68.111, 344.773



49, 82.884, 345.176



58, 63.026, 87.980



33, 5.209, 334.889



32, 61.689, 344.530



2, 8.939, 337.494

Previews

White Background



This preview shows how the CIE LCh color 47, 36.035, 255.775 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 47, 36.035, 255.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

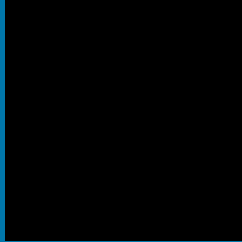
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 36.035, 255.775

Background



This preview shows how black text looks on a background with the CIELCh color 47, 36.035, 255.775.

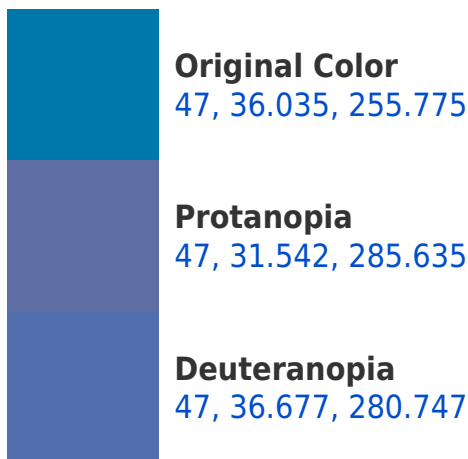



This preview shows how white text looks on a background with the CIELCh color 47, 36.035, 255.775.

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
47, 28.404, 207.575

Trichromacy



Original Color
47, 36.035, 255.775

Protanomaly
46, 33.197, 268.312

Deuteranomaly
47, 36.332, 268.387

Tritanomaly
47, 28.734, 227.123

Monochromacy



Original Color
47, 36.035, 255.775

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 17.539, 237.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 36.035, 255.775 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, 119, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 170)  
}
```

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, 119, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 36.035, 255.775 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, 119, 170) }
```

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

```
.border{ border-color:rgb(0, 119, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 36.035, 255.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 170) }
```

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

```
.background{ background-color: rgb(0, 119,  
170) }
```

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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