

Converting Colors

CIELCh(40, 79.171, 215.076)

Have a look what the booklet for
CIELCh(40, 79.171, 215.076)
contains.

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Color

CIELCh(47, 34.952, 253.017)

Conversions

Conversions Part 1

Format	Color
Hex	0077A7
RGB	0, 119, 167
RGB Percent	0%, 47%, 65%
CMY	1.0000, 0.5325, 0.3445
CMYK	1.00, 0.29, 0.00, 0.34
HSL	197°, 100%, 33%
HSV	197°, 100%, 66%
XYZ	13.5725, 16.0195, 39.0104
YIQ	88.8910, -86.3320, -10.3000

Conversions

Conversions Part 2

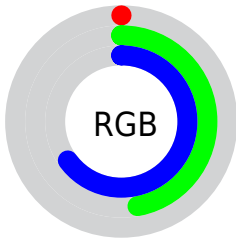
Format	Color
RYB	0, 69, 167
Decimal	30631
CIELab	47.00, -10.21, -33.43
CIELCh	47, 34.952, 253.017
Yxy	16.0195, 0.1978, 0.2335
Android (android.graphics.Color)	4278220711 (0xFF0077A7)
YUV	88.8910, 38.5077, -77.9574
Hunter-Lab	40.0243, -9.5121, -29.7710

Details

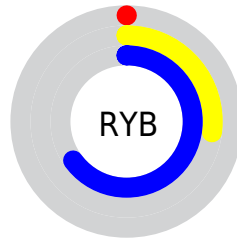
The CIELCh color **47, 34.952, 253.017** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 69.204, 47.052**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 34.742, 253.184**, and **29, 30.653, 267.516** is the 20% darker color. If you saturate the color by 10%, you get **47, 34.872, 253.208**, and if you desaturate by 10%, it is **49, 33.075, 248.612**.

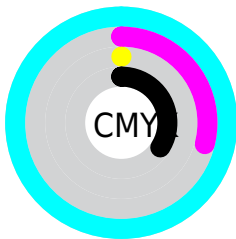
Distribution



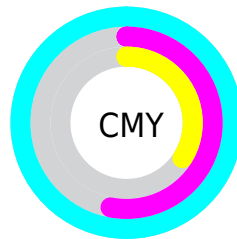
- Red (0%)
- Green (47%)
- Blue (65%)



- Red (0%)
- Yellow (27%)
- Blue (65%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (34%)




- Cyan (100%)
- Magenta (53%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 34.952, 253.017 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, 34.952, 253.017 by changing the saturation by 10% instead.


 47, 34.952,
253.017


 47, 34.952,
253.017


 100, 34.952,
253.017


 37, 34.952,
253.017

 67, 34.952,
253.017


 27, 34.952,
253.017

 77, 34.952,
253.017

 17, 34.952,
253.017

 87, 34.952,
253.017

 7, 34.952, 253.017

 97, 34.952,
253.017

 0, 34.952, 253.017

 47, 34.952,

 47, 34.952,

253.017

■ 47, 34.872,
253.208

253.017

■ 49, 33.075,
248.612

■ 50, 31.087,
244.469

■ 52, 28.702,
240.999

■ 54, 25.849,
238.162

■ 56, 22.512,
235.883

■ 59, 18.714,
234.073

■ 61, 14.504,
232.647

■ 63, 9.941, 231.536

Harmonies

Complementary

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



47, 34.952, 253.017



38, 69.204, 47.052

Rectangle

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



47, 34.952, 253.017



47, 34.952, 303.017



47, 34.952, 73.017



47, 34.952, 123.017

Sweetspot

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



47, 34.872, 253.208



77, 17.890, 232.716



60, 77.906, 140.805



40, 12.147, 233.259



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



47, 34.872, 253.208



60, 42.641, 254.196



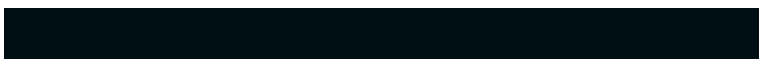
24, 83.171, 301.666



34, 2.900, 230.650



42, 31.744, 252.656



3, 5.400, 239.077

Inverse Universe

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



37, 67.951, 343.771



48, 82.187, 344.141



57, 61.883, 86.552



33, 5.260, 334.340



33, 62.227, 343.568



2, 9.035, 336.837

Previews

White Background



This preview shows how the CIELCh color 47, 34.952, 253.017 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, 34.952, 253.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

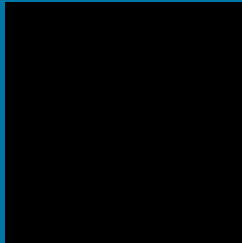
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 34.952, 253.017

Background



This preview shows how black text looks on a background with the CIELCh color 47, 34.952, 253.017.



This preview shows how white text looks on a background with the CIELCh color 47, 34.952, 253.017.

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, 34.877, 253.320

Protanomaly
46, 31.713, 266.355

Deuteranomaly
46, 34.729, 267.070

Tritanomaly
47, 28.600, 225.874

Monochromacy



Original Color
47, 34.877, 253.320

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 17.256, 235.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 34.952, 253.017 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 34.952, 253.017 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, 167) }
```

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

```
.border{ border-color:rgb(0, 119, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 34.952, 253.017 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, 167) }
```

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

```
.background{ background-color: rgb(0, 119,  
167) }
```

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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