

Converting Colors

CIELCh(47, 34.497, 252.789)

Have a look what the booklet for
CIELCh(47, 34.497, 252.789)
contains.

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Color

CIELCh(47, 34.425, 252.656)

Conversions

Conversions Part 1

Format	Color
Hex	0477A6
RGB	4, 119, 166
RGB Percent	2%, 47%, 65%
CMY	0.9854, 0.5326, 0.3483
CMYK	0.98, 0.28, 0.00, 0.35
HSL	197°, 96%, 33%
HSV	197°, 98%, 65%
XYZ	13.5642, 16.0195, 38.5442
YIQ	89.9730, -83.6270, -9.7630

Conversions

Conversions Part 2

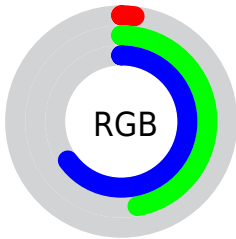
Format	Color
RYB	4, 71, 166
Decimal	292774
CIELab	47.00, -10.26, -32.86
CIELCh	47, 34.425, 252.656
Yxy	16.0195, 0.1991, 0.2351
Android (android.graphics.Color)	4278482854 (0xFF0477A6)
YUV	89.9730, 37.4813, -75.3983
Hunter-Lab	40.0243, -9.5491, -29.0805

Details

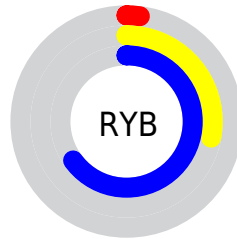
The CIELCh color **47, 34.425, 252.656** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 67.291, 47.167**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 34.253, 252.722**, and **29, 30.139, 266.656** is the 20% darker color. If you saturate the color by 10%, you get **47, 34.845, 253.669**, and if you desaturate by 10%, it is **49, 32.600, 248.074**.

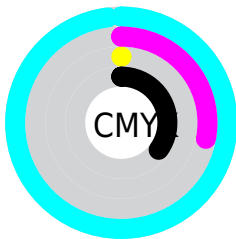
Distribution



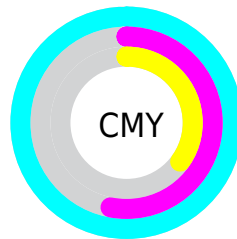
- Red (2%)
- Green (47%)
- Blue (65%)



- Red (2%)
- Yellow (28%)
- Blue (65%)



- Cyan (98%)
- Magenta (28%)
- Yellow (0%)
- Black (35%)



- Cyan (99%)
- Magenta (53%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 34.425, 252.656 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, 34.425, 252.656 by changing the saturation by 10% instead.

 47, 34.425,
252.656

 47, 34.425,
252.656

 100, 34.425,
252.656

 37, 34.425,
252.656

 67, 34.425,
252.656

 27, 34.425,
252.656

 77, 34.425,
252.656

 17, 34.425,
252.656

 87, 34.425,
252.656

 7, 34.425, 252.656

 97, 34.425,
252.656

 0, 34.425, 252.656

 47, 34.425,

 47, 34.425,

252.656

■ 47, 34.845,
253.669

252.656

■ 49, 32.600,
248.074

■ 50, 30.514,
244.063

■ 52, 28.017,
240.721

■ 54, 25.053,
237.999

■ 57, 21.613,
235.815

■ 59, 17.728,
234.083

■ 61, 13.449,
232.719

■ 64, 8.836, 231.658

Harmonies

Complementary

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



47, 34.425, 252.656



39, 67.291, 47.167

Rectangle

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



47, 34.425, 252.656



47, 34.425, 302.656



47, 34.425, 72.656



47, 34.425, 122.656

Sweetspot

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



47, 34.424, 252.657



78, 17.348, 232.937



60, 76.570, 141.185



40, 11.848, 233.481



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, 34.424, 252.657



60, 42.806, 254.684



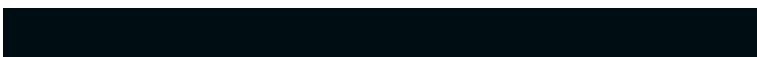
24, 81.000, 301.111



34, 2.899, 230.974



42, 31.858, 253.140



3, 5.402, 239.419

Inverse Universe

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



37, 67.355, 343.565



48, 82.051, 344.327



56, 61.113, 86.902



33, 5.250, 334.442



32, 62.124, 343.746



2, 9.017, 336.960

Previews

White Background



This preview shows how the CIELCh color 47, 34.425, 252.656 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, 34.425, 252.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

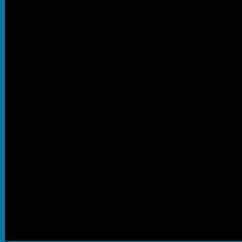
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 34.425, 252.656

Background



This preview shows how black text looks on a background with the CIELCh color 47, 34.425, 252.656.

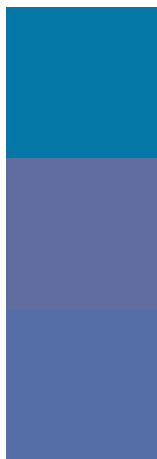


This preview shows how white text looks on a background with the CIELCh color 47, 34.425, 252.656.

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, 34.399, 252.719

Protanopia

47, 29.164, 285.691

Deuteranopia

47, 34.246, 280.956



Tritanopia
47, 28.404, 207.575

Trichromacy



Original Color
47, 34.399, 252.719

Protanomaly
46, 31.058, 266.373

Deuteranomaly
46, 34.102, 266.990

Tritanomaly
47, 28.555, 225.927

Monochromacy



Original Color
47, 34.399, 252.719

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 17.044, 235.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 34.425, 252.656 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(4, 119, 166)` looks like.

```
.text, #text, p{  
    color:rgb(4, 119, 166)  
}
```

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(4, 119, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 119, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 34.425, 252.656 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(4, 119, 166) }
```

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

```
.border{ border-color:rgb(4, 119, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 119, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 119, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 119, 166);  
box-shadow:4px 4px 4px 4px rgb(4, 119,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 34.425, 252.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 119, 166) }
```

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

```
.background{ background-color: rgb(4, 119,  
166) }
```

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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