

Converting Colors

CIELCh(47, 38.905, 261.282)

Have a look what the booklet for
CIELCh(47, 38.905, 261.282)
contains.

CIELCh(47, 38.890, 261.223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 38.890, 261.223)

Conversions

Conversions Part 1

Format	Color
Hex	0076B0
RGB	0, 118, 176
RGB Percent	0%, 46%, 69%
CMY	1.0000, 0.5382, 0.3108
CMYK	1.00, 0.33, 0.00, 0.31
HSL	200°, 100%, 34%
HSV	200°, 100%, 69%
XYZ	14.2495, 16.0195, 43.2825
YIQ	89.3300, -88.9460, -6.9780

Conversions

Conversions Part 2

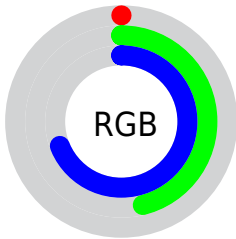
Format	Color
RYB	0, 71, 176
Decimal	30384
CIELab	47.00, -5.93, -38.43
CIELCh	47, 38.890, 261.223
Yxy	16.0195, 0.1937, 0.2178
Android (android.graphics.Color)	4278220464 (0xFF0076B0)
YUV	89.3300, 42.7283, -78.3424
Hunter-Lab	40.0243, -6.4929, -36.0994

Details

The CIELCh color **47, 38.890, 261.223** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **42, 70.271, 49.074**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 38.877, 261.150**, and **29, 35.490, 274.520** is the 20% darker color. If you saturate the color by 10%, you get **47, 38.870, 261.279**, and if you desaturate by 10%, it is **49, 36.363, 256.427**.

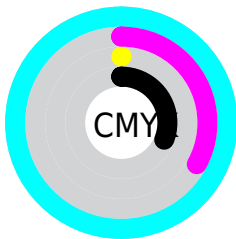
Distribution



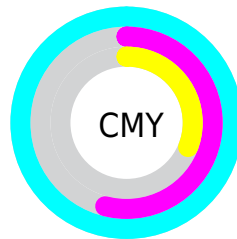
- Red (0%)
- Green (46%)
- Blue (69%)



- Red (0%)
- Yellow (28%)
- Blue (69%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (54%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 38.890, 261.223 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, 38.890, 261.223 by changing the saturation by 10% instead.


 47, 38.890,
261.223

 47, 38.890,
261.223


 100, 38.890,
261.223

 37, 38.890,
261.223

 67, 38.890,
261.223


 27, 38.890,
261.223

 77, 38.890,
261.223

 17, 38.890,
261.223

 87, 38.890,
261.223

 7, 38.890, 261.223

 97, 38.890,
261.223

 0, 38.890, 261.223

 47, 38.890,

 47, 38.890,

261.223

■ 47, 38.870,
261.279

261.223

■ 49, 36.363,
256.427

■ 51, 33.756,
251.965

■ 53, 30.847,
248.147

■ 56, 27.549,
244.972

■ 58, 23.831,
242.377

■ 61, 19.702,
240.282

■ 63, 15.202,
238.602

■ 66, 10.382,
237.264

Harmonies

Complementary

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



47, 38.890, 261.223



42, 70.271, 49.074

Rectangle

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



47, 38.890, 261.223



47, 38.890, 311.223



47, 38.890, 81.223



47, 38.890, 131.223

Sweetspot

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



47, 38.870, 261.279



81, 18.860, 238.682



63, 79.117, 141.744



41, 12.710, 239.335



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 38.870, 261.279



61, 47.947, 262.271



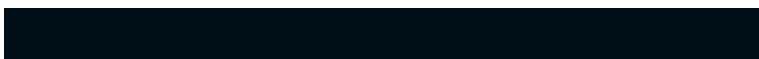
24, 89.814, 302.873



35, 2.971, 236.160



40, 34.422, 260.577



4, 6.537, 246.661

Inverse Universe

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



39, 68.602, 347.056



51, 83.467, 347.507



61, 65.162, 89.363



34, 5.228, 336.129



33, 61.330, 346.745



2, 10.252, 339.720

Previews

White Background



This preview shows how the CIELCh color 47, 38.890, 261.223 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, 38.890, 261.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

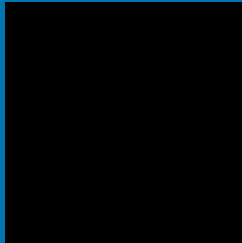
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 38.890, 261.223

Background



This preview shows how black text looks on a background with the CIELCh color 47, 38.890, 261.223.

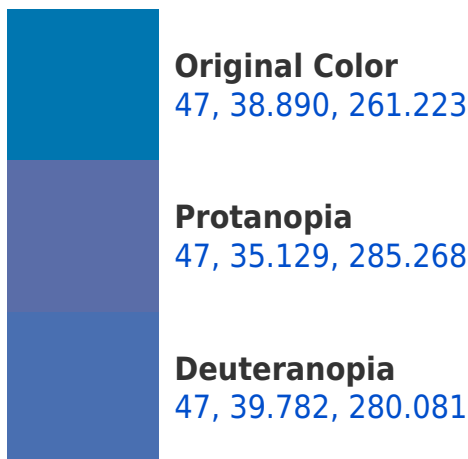


This preview shows how white text looks on a background with the CIELCh color 47, 38.890, 261.223.

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, 38.890, 261.223

Protanomaly
46, 36.913, 271.853

Deuteranomaly
46, 40.080, 271.495

Tritanomaly
47, 29.208, 230.797

Monochromacy



Original Color
47, 38.890, 261.223

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 18.653, 244.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 38.890, 261.223 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 38.890, 261.223 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, 176) }
```

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

```
.border{ border-color:rgb(0, 118, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 38.890, 261.223 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, 176) }
```

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

```
.background{ background-color: rgb(0, 118,  
176) }
```

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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