

Converting Colors

CIELCh(47, 30.076, 238.555)

Have a look what the booklet for
CIELCh(47, 30.076, 238.555)
contains.

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Color

CIELCh(47, 30.087, 238.465)

Conversions

Conversions Part 1

Format	Color
Hex	07799A
RGB	7, 121, 154
RGB Percent	3%, 47%, 60%
CMY	0.9740, 0.5259, 0.3965
CMYK	0.96, 0.21, 0.00, 0.40
HSL	193°, 92%, 31%
HSV	193°, 96%, 60%
XYZ	12.7295, 16.0195, 32.9423
YIQ	90.6760, -78.5370, -13.9050

Conversions

Conversions Part 2

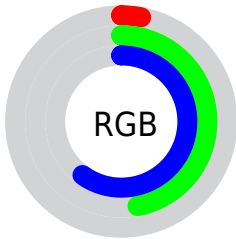
Format	Color
RYB	7, 71, 154
Decimal	489882
CIELab	47.00, -15.74, -25.64
CIELCh	47, 30.087, 238.465
Yxy	16.0195, 0.2063, 0.2597
Android (android.graphics.Color)	4278679962 (0xFF07799A)
YUV	90.6760, 31.2187, -73.3839
Hunter-Lab	40.0243, -13.2719, -20.7820

Details

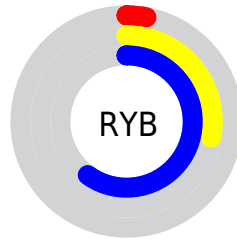
The CIELCh color **47, 30.087, 238.465** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **35, 64.115, 44.243**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 30.219, 239.549**, and **28, 24.593, 253.267** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.533, 240.100**, and if you desaturate by 10%, it is **48, 28.991, 234.767**.

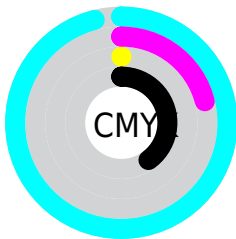
Distribution



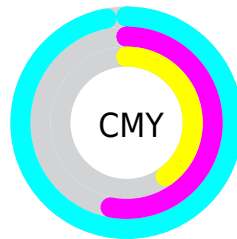
- Red (3%)
- Green (47%)
- Blue (60%)



- Red (3%)
- Yellow (28%)
- Blue (60%)



- Cyan (96%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)




- Cyan (97%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.087, 238.465 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, 30.087, 238.465 by changing the saturation by 10% instead.

 47, 30.087,
238.465

 47, 30.087,
238.465


 100, 30.087,
238.465

 37, 30.087,
238.465

 67, 30.087,
238.465


 27, 30.087,
238.465

 77, 30.087,
238.465

 17, 30.087,
238.465

 87, 30.087,
238.465

 7, 30.087, 238.465

 97, 30.087,
238.465

 0, 30.087, 238.465

 47, 30.087,

 47, 30.087,

238.465

■ 46, 30.533,
240.100

238.465

■ 48, 28.991,
234.767

■ 50, 27.453,
231.691

■ 51, 25.382,
229.212

■ 53, 22.757,
227.252

■ 54, 19.600,
225.728

■ 56, 15.958,
224.561

■ 58, 11.897,
223.683

■ 60, 7.483, 223.046

Harmonies

Complementary

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



47, 30.087, 238.465



35, 64.115, 44.243

Rectangle

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



47, 30.087, 238.465



47, 30.087, 288.465



47, 30.087, 58.465



47, 30.087, 108.465

Sweetspot

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



47, 30.086, 238.465



73, 16.338, 223.991



55, 74.389, 139.796



37, 11.027, 224.342



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



47, 30.086, 238.465



59, 37.046, 241.013



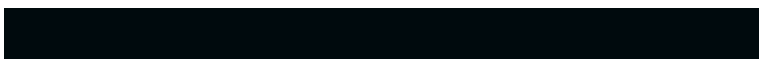
25, 68.034, 297.413



31, 2.726, 222.757



42, 28.494, 239.717



2, 2.995, 223.869

Inverse Universe

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



35, 66.339, 338.960



45, 80.575, 339.729



50, 55.880, 81.511



30, 5.082, 331.923



31, 62.540, 339.345



1, 5.407, 331.855

Previews

White Background



This preview shows how the CIELCh color 47, 30.087, 238.465 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, 30.087, 238.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

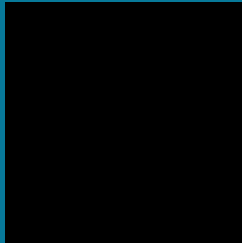
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.087, 238.465

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.087, 238.465.

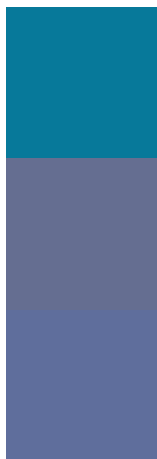


This preview shows how white text looks on a background with the CIELCh color 47, 30.087, 238.465.

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, 30.087, 238.465

Protanopia

47, 20.867, 284.298

Deuteranopia

47, 27.474, 283.497



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 30.087, 238.465

Protanomaly
46, 24.103, 256.090

Deuteranomaly
46, 27.704, 260.891

Tritanomaly
47, 28.094, 220.875

Monochromacy



Original Color
47, 30.087, 238.465

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 15.624, 226.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.087, 238.465 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(7, 121, 154)` looks like.

```
.text, #text, p{  
    color:rgb(7, 121, 154)  
}
```

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(7, 121, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 121, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.087, 238.465 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(7, 121, 154) }
```

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

```
.border{ border-color:rgb(7, 121, 154) }
```

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

Here you see how a box with a 4 pixel rgb(7, 121, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 121, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 121, 154);  
box-shadow:4px 4px 4px 4px rgb(7, 121,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.087, 238.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 121, 154) }
```

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

```
.background{ background-color: rgb(7, 121,  
154) }
```

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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