

Converting Colors

CIELCh(40, 80.073, 222.137)

Have a look what the booklet for
CIELCh(40, 80.073, 222.137)
contains.

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Color

CIELCh(48, 41.147, 264.155)

Conversions

Conversions Part 1

Format	Color
Hex	0378B7
RGB	3, 120, 183
RGB Percent	1%, 47%, 72%
CMY	0.9875, 0.5305, 0.2832
CMYK	0.98, 0.35, 0.00, 0.28
HSL	201°, 97%, 36%
HSV	201°, 98%, 72%
XYZ	15.2462, 16.7945, 47.1191
YIQ	92.1990, -89.9550, -5.2110

Conversions

Conversions Part 2

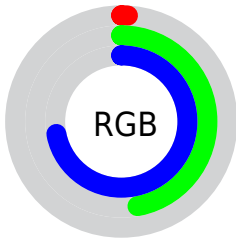
Format	Color
RYB	3, 74, 183
Decimal	227511
CIELab	48.00, -4.19, -40.93
CIELCh	48, 41.147, 264.155
Yxy	16.7945, 0.1926, 0.2122
Android (android.graphics.Color)	4278417591 (0xFF0378B7)
YUV	92.1990, 44.7649, -78.2275
Hunter-Lab	40.9810, -5.3093, -39.4836

Details

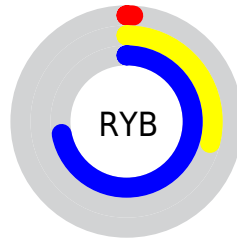
The CIELCh color **48, 41.147, 264.155** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 70.447, 50.315**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 40.931, 263.939**, and **30, 38.248, 276.698** is the 20% darker color. If you saturate the color by 10%, you get **48, 41.676, 264.990**, and if you desaturate by 10%, it is **50, 38.226, 259.234**.

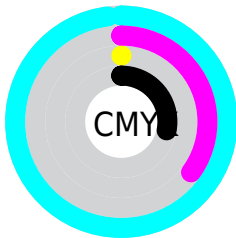
Distribution



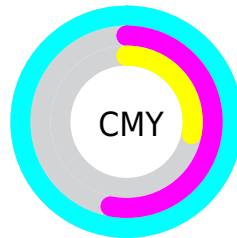
- Red (1%)
- Green (47%)
- Blue (72%)



- Red (1%)
- Yellow (29%)
- Blue (72%)



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





- Cyan (99%)
- Magenta (53%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 41.147, 264.155 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 48, 41.147, 264.155 by changing the saturation by 10% instead.


 48, 41.147,
264.155


 48, 41.147,
264.155


 100, 41.147,
264.155


 38, 41.147,
264.155

 68, 41.147,
264.155


 28, 41.147,
264.155

 78, 41.147,
264.155

 18, 41.147,
264.155

 88, 41.147,
264.155

 8, 41.147, 264.155

 98, 41.147,
264.155

 0, 41.147, 264.155

 48, 41.147,

 48, 41.147,

264.155

■ 48, 41.676,
264.990

264.155

■ 50, 38.226,
259.234

■ 52, 35.195,
254.771

■ 55, 31.891,
250.938

■ 57, 28.226,
247.733

■ 60, 24.169,
245.102

■ 63, 19.730,
242.965

■ 66, 14.945,
241.240

■ 69, 9.866, 239.856

Harmonies

Complementary

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



48, 41.147, 264.155



44, 70.447, 50.315

Rectangle

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



48, 41.147, 264.155



48, 41.147, 314.155



48, 41.147, 84.155



48, 41.147, 134.155

Sweetspot

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



48, 41.146, 264.156



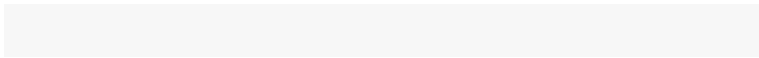
83, 18.900, 241.432



65, 78.703, 143.129



43, 12.938, 242.139



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



48, 41.146, 264.156



61, 51.218, 265.925



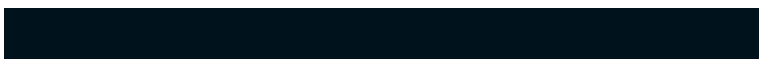
25, 94.311, 303.542



37, 3.124, 238.877



41, 36.697, 264.286



5, 8.963, 252.026

Inverse Universe

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



40, 69.618, 348.402



52, 84.501, 349.277



65, 67.915, 92.285



36, 5.399, 337.058



34, 62.056, 348.461



3, 13.493, 342.210

Previews

White Background



This preview shows how the CIE LCh color 48, 41.147, 264.155 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 48, 41.147, 264.155 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 48, 41.147, 264.155

Background



This preview shows how black text looks on a background with the CIELCh color 48, 41.147, 264.155.

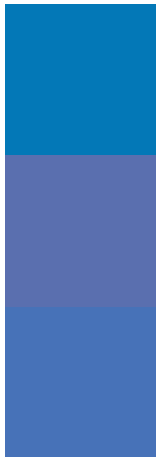


This preview shows how white text looks on a background with the CIELCh color 48, 41.147, 264.155.

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

48, 41.129, 264.022

Protanopia

48, 37.947, 285.588

Deuteranopia

48, 42.053, 279.720



Tritanopia
48, 28.740, 207.411

Trichromacy



Original Color
48, 41.129, 264.022

Protanomaly
47, 39.491, 273.822

Deuteranomaly
48, 42.161, 272.440

Tritanomaly
48, 29.619, 231.567

Monochromacy



Original Color
48, 41.129, 264.022

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 19.002, 245.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 41.147, 264.155 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(3, 120, 183)` looks like.

```
.text, #text, p{  
    color:rgb(3, 120, 183)  
}
```

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(3, 120, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 120, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 41.147, 264.155 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(3, 120, 183) }
```

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

```
.border{ border-color:rgb(3, 120, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 120, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 120, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 120, 183);  
box-shadow:4px 4px 4px 4px rgb(3, 120,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 41.147, 264.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 120, 183) }
```

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

```
.background{ background-color: rgb(3, 120,  
183) }
```

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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