

Converting Colors

CIELCh(41, 69.197, 226.000)

Have a look what the booklet for
CIELCh(41, 69.197, 226.000)
contains.

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Color

CIELCh(48, 39.369, 261.599)

Conversions

Conversions Part 1

Format	Color
Hex	0578B3
RGB	5, 120, 179
RGB Percent	2%, 47%, 70%
CMY	0.9789, 0.5285, 0.2967
CMYK	0.97, 0.33, 0.00, 0.30
HSL	200°, 94%, 36%
HSV	200°, 97%, 70%
XYZ	14.9848, 16.7945, 45.2871
YIQ	92.3410, -87.4790, -6.0310

Conversions

Conversions Part 2

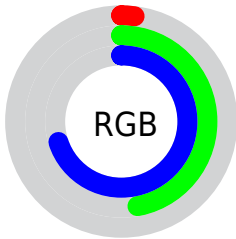
Format	Color
RYB	5, 74, 179
Decimal	358579
CIELab	48.00, -5.75, -38.95
CIELCh	48, 39.369, 261.599
Yxy	16.7945, 0.1944, 0.2179
Android (android.graphics.Color)	4278548659 (0xFF0578B3)
YUV	92.3410, 42.7229, -76.5981
Hunter-Lab	40.9810, -6.4478, -36.8331

Details

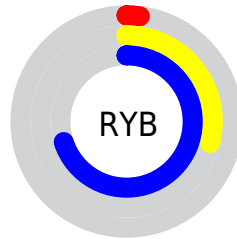
The CIELCh color **48, 39.369, 261.599** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 69.052, 49.819**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 39.277, 261.549**, and **30, 36.019, 274.358** is the 20% darker color. If you saturate the color by 10%, you get **47, 40.201, 263.037**, and if you desaturate by 10%, it is **50, 36.680, 256.730**.

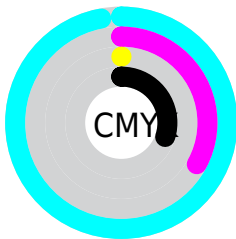
Distribution



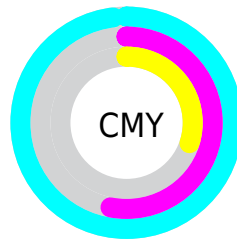
- Red (2%)
- Green (47%)
- Blue (70%)



- Red (2%)
- Yellow (29%)
- Blue (70%)



- Cyan (97%)
- Magenta (33%)
- Yellow (0%)
- Black (30%)





- Cyan (98%)
- Magenta (53%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 39.369, 261.599 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, 39.369, 261.599 by changing the saturation by 10% instead.


 48, 39.369,
261.599


 48, 39.369,
261.599


 100, 39.369,
261.599


 38, 39.369,
261.599

 68, 39.369,
261.599


 28, 39.369,
261.599

 78, 39.369,
261.599

 18, 39.369,
261.599

 88, 39.369,
261.599

 8, 39.369, 261.599

 98, 39.369,
261.599

 0, 39.369, 261.599

 48, 39.369,

 48, 39.369,

261.599

■ 47, 40.201,
263.037

261.599

■ 50, 36.680,
256.730

■ 52, 33.822,
252.397

■ 55, 30.651,
248.710

■ 57, 27.092,
245.649

■ 60, 23.124,
243.151

■ 62, 18.764,
241.131

■ 65, 14.054,
239.508

■ 68, 9.047, 238.214

Harmonies

Complementary

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



48, 39.369, 261.599



43, 69.052, 49.819

Rectangle

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



48, 39.369, 261.599



48, 39.369, 311.599



48, 39.369, 81.599



48, 39.369, 131.599

Sweetspot

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



48, 39.368, 261.600



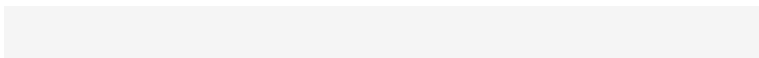
82, 18.497, 239.878



64, 77.978, 142.815



42, 12.656, 240.556



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 39.368, 261.600



60, 49.260, 263.981



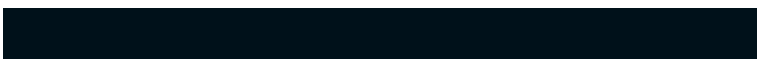
25, 90.420, 302.777



36, 3.046, 237.422



41, 35.484, 262.331



4, 7.754, 249.536

Inverse Universe

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



40, 69.010, 347.205



51, 83.676, 348.313



63, 66.112, 91.106



35, 5.318, 336.556



33, 61.719, 347.535



2, 11.820, 340.939

Previews

White Background



This preview shows how the CIE LCh color 48, 39.369, 261.599 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, 39.369, 261.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

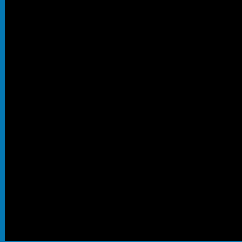
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 39.369, 261.599

Background



This preview shows how black text looks on a background with the CIELCh color 48, 39.369, 261.599.



This preview shows how white text looks on a background with the CIELCh color 48, 39.369, 261.599.

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
48, 28.740, 207.411

Trichromacy



Original Color
48, 39.316, 261.578

Protanomaly
47, 37.762, 273.177

Deuteranomaly
48, 39.945, 271.254

Tritanomaly
48, 29.401, 230.435

Monochromacy



Original Color
48, 39.316, 261.578

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 18.287, 242.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 39.369, 261.599 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(5, 120, 179)` looks like.

```
.text, #text, p{  
    color:rgb(5, 120, 179)  
}
```

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(5, 120, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 120, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 39.369, 261.599 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(5, 120, 179) }
```

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

```
.border{ border-color:rgb(5, 120, 179) }
```

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

Here you see how a box with a 4 pixel rgb(5, 120, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 120, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 120, 179);  
box-shadow:4px 4px 4px 4px rgb(5, 120,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 39.369, 261.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 120, 179) }
```

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

```
.background{ background-color: rgb(5, 120,  
179) }
```

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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