

Converting Colors

CIELCh(50, 38.139, 271.442)

Have a look what the booklet for
CIELCh(50, 38.139, 271.442)
contains.

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Color

CIELCh(50, 38.305, 271.376)

Conversions

Conversions Part 1

Format	Color
Hex	407AB8
RGB	64, 122, 184
RGB Percent	25%, 48%, 72%
CMY	0.7498, 0.5222, 0.2791
CMYK	0.65, 0.34, 0.00, 0.28
HSL	211°, 48%, 49%
HSV	211°, 65%, 72%
XYZ	17.6767, 18.4187, 47.8792
YIQ	111.7260, -54.4700, 6.9860

Conversions

Conversions Part 2

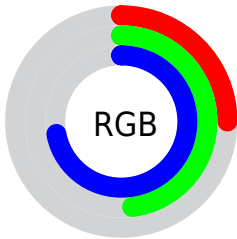
Format	Color
R _Y B	64, 103, 184
Decimal	4225720
CIE Lab	50.00, 0.92, -38.29
CIE LCh	50, 38.305, 271.376
Yxy	18.4187, 0.2105, 0.2193
Android (android.graphics.Color)	4282415800 (0xFF407AB8)
YUV	111.7260, 35.6311, -41.8557
Hunter-Lab	42.9170, -1.5837, -36.1035

Details

The CIELCh color **50, 38.305, 271.376** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **57, 45.115, 68.773**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 38.177, 271.327**, and **31, 37.650, 275.389** is the 20% darker color. If you saturate the color by 10%, you get **47, 43.954, 275.102**, and if you desaturate by 10%, it is **54, 32.639, 268.121**.

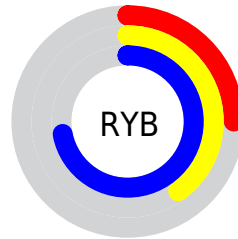
Distribution



Red (25%)

Green (48%)

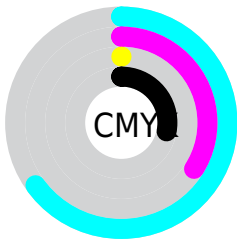
Blue (72%)



Red (25%)

Yellow (40%)

Blue (72%)

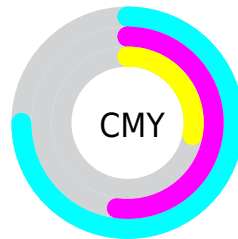


Cyan (65%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (75%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 38.305, 271.376 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 50, 38.305, 271.376 by changing the saturation by 10% instead.

■ 50, 38.305,
271.376

■ 50, 38.305,
271.376

■ 100, 38.305,
271.376

■ 40, 38.305,
271.376

■ 70, 38.305,
271.376

■ 30, 38.305,
271.376

■ 80, 38.305,
271.376

■ 20, 38.305,
271.376

■ 90, 38.305,
271.376

■ 10, 38.305,
271.376

■ 0, 38.305, 271.376

■ 50, 38.305,
271.376

■ 50, 38.305,
271.376

47, 43.954,
275.102

54, 32.639,
268.121

43, 49.660,
279.238

57, 26.909,
265.332

40, 55.504,
283.638

61, 21.094,
262.969

39, 58.343,
285.628

65, 15.196,
260.977

69, 9.226, 259.306

73, 3.205, 257.948

77, 2.848, 76.513

81, 8.912, 75.553

84, 14.969, 74.672

Harmonies

Complementary

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



50, 38.305, 271.376



57, 45.115, 68.773

Rectangle

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



50, 38.305, 271.376



50, 38.305, 321.376



50, 38.305, 91.376



50, 38.305, 141.376

Sweetspot

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



50, 38.304, 271.377



85, 14.944, 260.113



67, 51.731, 156.112



44, 10.177, 260.590



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 38.304, 271.377



59, 56.416, 276.722



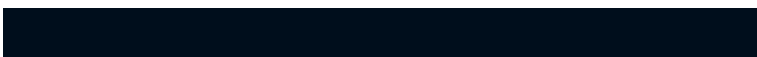
34, 73.734, 300.656



37, 3.423, 258.452



33, 50.902, 285.010



3, 10.370, 268.650

Inverse Universe

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



46, 54.088, 352.697



55, 74.933, 356.120



73, 60.387, 104.284



36, 4.816, 345.282



33, 58.503, 2.924



3, 12.097, 351.732

Previews

White Background



This preview shows how the CIE LCh color 50, 38.305, 271.376 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 38.305, 271.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

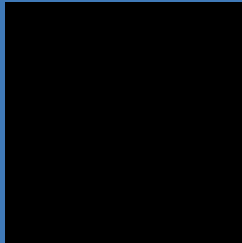
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 38.305, 271.376

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.305, 271.376.

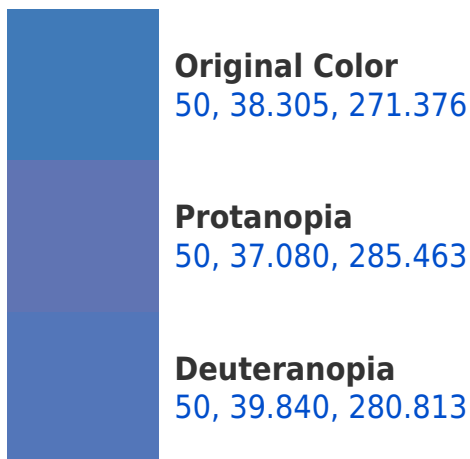


This preview shows how white text looks on a background with the CIELCh color 50, 38.305, 271.376.

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
50, 26.113, 211.438

Trichromacy



Original Color
50, 38.305, 271.376

Protanomaly
50, 37.597, 279.799

Deuteranomaly
50, 39.648, 277.792

Tritanomaly
50, 27.011, 238.773

Monochromacy



Original Color
50, 38.305, 271.376

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 14.862, 260.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.305, 271.376 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(64, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(64, 122, 184)  
}
```

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(64, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 122, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.305, 271.376 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(64, 122, 184) }
```

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

```
.border{ border-color:rgb(64, 122, 184) }
```

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

Here you see how a box with a 4 pixel rgb(64, 122, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(64, 122,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.305, 271.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 122, 184) }
```

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

```
.background{ background-color: rgb(64, 122,  
184) }
```

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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