

Converting Colors

CIELCh(49, 40.965, 252.009)

Have a look what the booklet for
CIELCh(49, 40.965, 252.009)
contains.

CIELCh(50, 38.465, 257.478)	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(50, 38.465, 257.478)

Conversions

Conversions Part 1

Format	Color
Hex	027EB6
RGB	2, 126, 182
RGB Percent	1%, 49%, 71%
CMY	0.9936, 0.5045, 0.2847
CMYK	0.99, 0.31, 0.00, 0.28
HSL	199°, 98%, 36%
HSV	199°, 99%, 72%
XYZ	16.0114, 18.4187, 47.1800
YIQ	95.3080, -91.8800, -8.8720

Conversions

Conversions Part 2

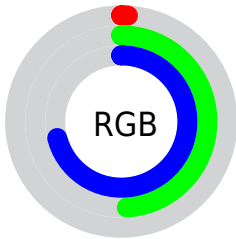
Format	Color
R _Y B	2, 75, 182
Decimal	163510
CIE Lab	50.00, -8.34, -37.55
CIE LCh	50, 38.465, 257.478
Yxy	18.4187, 0.1962, 0.2257
Android (android.graphics.Color)	4278353590 (0xFF027EB6)
YUV	95.3080, 42.7392, -81.8311
Hunter-Lab	42.9170, -8.5100, -35.1376

Details

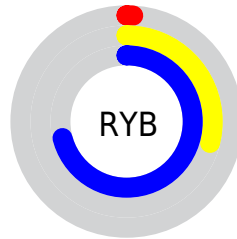
The CIELCh color **50, 38.465, 257.478** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 72.485, 47.978**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 38.524, 257.818**, and **32, 34.918, 271.109** is the 20% darker color. If you saturate the color by 10%, you get **50, 38.674, 257.900**, and if you desaturate by 10%, it is **52, 36.213, 252.659**.

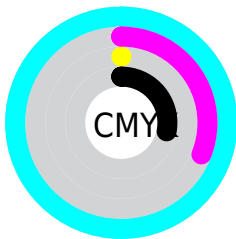
Distribution



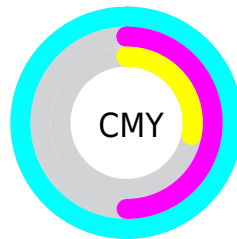
- Red (1%)
- Green (49%)
- Blue (71%)



- Red (1%)
- Yellow (29%)
- Blue (71%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (28%)



- Cyan (99%)
- Magenta (50%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 38.465, 257.478 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, 38.465, 257.478 by changing the saturation by 10% instead.

 50, 38.465,
257.478


 50, 38.465,
257.478


 100, 38.465,
257.478


 40, 38.465,
257.478


 70, 38.465,
257.478

 30, 38.465,
257.478

 80, 38.465,
257.478

 20, 38.465,
257.478

 90, 38.465,
257.478

 10, 38.465,
257.478

 0, 38.465, 257.478

 50, 38.465,
257.478

 50, 38.465,
257.478

■ 50, 38.674,
257.900

■ 52, 36.213,
252.659

■ 54, 33.777,
248.337

■ 56, 30.969,
244.684

■ 58, 27.708,
241.676

■ 61, 23.969,
239.242

■ 63, 19.775,
237.294

■ 66, 15.171,
235.746

■ 69, 10.217,
234.527

■ 72, 4.976, 233.597

Harmonies

Complementary

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



50, 38.465, 257.478



43, 72.485, 47.978

Rectangle

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



50, 38.465, 257.478



50, 38.465, 307.478



50, 38.465, 77.478



50, 38.465, 127.478

Sweetspot

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



50, 38.464, 257.479



83, 19.280, 235.941



65, 82.001, 141.319



43, 13.097, 236.568



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, 38.464, 257.479



64, 47.491, 258.839



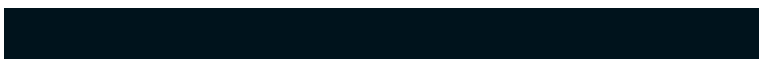
26, 90.189, 302.214



37, 3.111, 233.616



43, 34.173, 257.211



5, 8.727, 246.491

Inverse Universe

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



40, 71.273, 345.432



53, 86.568, 345.996



62, 66.259, 88.019



36, 5.560, 335.293



34, 63.574, 345.323



3, 13.947, 339.877

Previews

White Background



This preview shows how the CIE LCh color 50, 38.465, 257.478 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 50, 38.465, 257.478 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, 38.465, 257.478

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.465, 257.478.



This preview shows how white text looks on a background with the CIELCh color 50, 38.465, 257.478.

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, 29.743, 206.945

Trichromacy



Original Color
50, 38.424, 257.583

Protanomaly
49, 35.719, 269.517

Deuteranomaly
49, 38.869, 269.294

Tritanomaly
50, 30.122, 227.860

Monochromacy



Original Color
50, 38.424, 257.583

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 18.848, 240.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.465, 257.478 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(2, 126, 182)` looks like.

```
.text, #text, p{  
    color:rgb(2, 126, 182)  
}
```

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(2, 126, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 126, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.465, 257.478 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(2, 126, 182) }
```

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

```
.border{ border-color:rgb(2, 126, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 126, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 126, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 126, 182);  
box-shadow:4px 4px 4px 4px rgb(2, 126,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.465, 257.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 126, 182) }
```

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

```
.background{ background-color: rgb(2, 126,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor