

Converting Colors

CIELCh(44, 69.281, 223.055)

Have a look what the booklet for
CIELCh(44, 69.281, 223.055)
contains.

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Color

CIELCh(50, 38.126, 256.465)

Conversions

Conversions Part 1

Format	Color
Hex	007FB6
RGB	0, 127, 182
RGB Percent	0%, 50%, 71%
CMY	1.0000, 0.5036, 0.2880
CMYK	1.00, 0.30, 0.00, 0.29
HSL	198°, 100%, 36%
HSV	198°, 100%, 71%
XYZ	15.9102, 18.4187, 46.7299
YIQ	95.2970, -93.3470, -9.8190

Conversions

Conversions Part 2

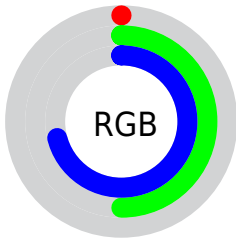
Format	Color
RYB	0, 75, 182
Decimal	32694
CIELab	50.00, -8.92, -37.07
CIELCh	50, 38.126, 256.465
Yxy	18.4187, 0.1963, 0.2272
Android (android.graphics.Color)	4278222774 (0xFF007FB6)
YUV	95.2970, 42.7446, -83.5755
Hunter-Lab	42.9170, -8.9310, -34.5157

Details

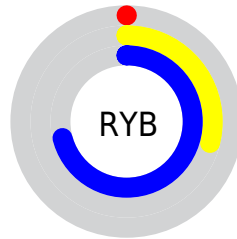
The CIELCh color **50, 38.126, 256.465** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **42, 73.119, 47.602**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 37.917, 255.928**, and **32, 34.398, 270.025** is the 20% darker color. If you saturate the color by 10%, you get **50, 38.087, 256.560**, and if you desaturate by 10%, it is **52, 35.950, 251.776**.

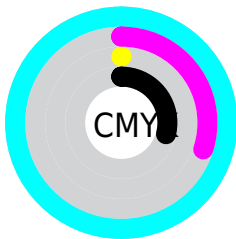
Distribution



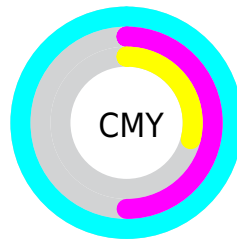
- Red (0%)
- Green (50%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 38.126, 256.465 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 50, 38.126, 256.465 by changing the saturation by 10% instead.


 50, 38.126,
256.465


 50, 38.126,
256.465


 100, 38.126,
256.465


 40, 38.126,
256.465


 70, 38.126,
256.465

 30, 38.126,
256.465

 80, 38.126,
256.465

 20, 38.126,
256.465

 90, 38.126,
256.465

 10, 38.126,
256.465

 0, 38.126, 256.465

 50, 38.126,
256.465

 50, 38.126,
256.465

■ 50, 38.087,
256.560

■ 52, 35.950,
251.776

■ 54, 33.643,
247.447

■ 56, 30.957,
243.791

■ 58, 27.807,
240.784

■ 61, 24.167,
238.353

■ 63, 20.057,
236.412

■ 66, 15.524,
234.875

■ 68, 10.629,
233.667

■ 71, 5.436, 232.744

Harmonies

Complementary

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



50, 38.126, 256.465



42, 73.119, 47.602

Rectangle

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



50, 38.126, 256.465



50, 38.126, 306.465



50, 38.126, 76.465



50, 38.126, 126.465

Sweetspot

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



50, 38.087, 256.560



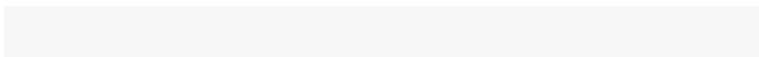
84, 19.260, 234.945



65, 82.122, 141.172



43, 13.079, 235.555



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, 38.087, 256.560



64, 46.918, 257.513



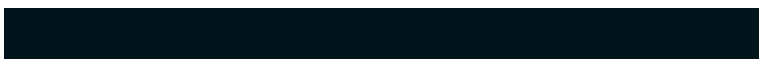
26, 90.589, 302.407



37, 3.112, 232.694



43, 33.787, 255.892



5, 8.694, 245.467

Inverse Universe

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



40, 71.418, 345.061



53, 86.961, 345.445



62, 66.220, 87.894



36, 5.589, 334.996



34, 63.861, 344.796



3, 14.031, 339.474

Previews

White Background



This preview shows how the CIELCh color 50, 38.126, 256.465 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, 38.126, 256.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

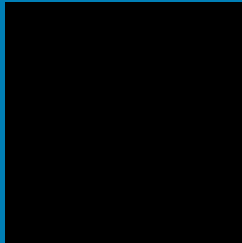
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 38.126, 256.465

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.126, 256.465.

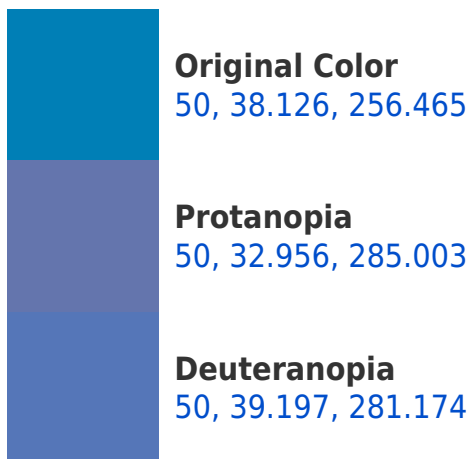


This preview shows how white text looks on a background with the CIELCh color 50, 38.126, 256.465.

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





Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 38.126, 256.465

Protanomaly
49, 35.221, 268.949

Deuteranomaly
49, 38.869, 269.294

Tritanomaly
50, 30.162, 227.812

Monochromacy



Original Color
50, 38.126, 256.465

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 18.730, 238.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.126, 256.465 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(0, 127, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 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(0, 127, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.126, 256.465 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(0, 127, 182) }
```

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

```
.border{ border-color:rgb(0, 127, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.126, 256.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 182) }
```

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

```
.background{ background-color: rgb(0, 127,  
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](#).

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