

Converting Colors

CIELCh(46, 58.036, 238.888)

Have a look what the booklet for
CIELCh(46, 58.036, 238.888)
contains.

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Color

CIELCh(50, 42.730, 263.972)

Conversions

Conversions Part 1

Format	Color
Hex	007DBF
RGB	0, 125, 191
RGB Percent	0%, 49%, 75%
CMY	1.0000, 0.5095, 0.2510
CMYK	1.00, 0.35, 0.00, 0.25
HSL	201°, 100%, 37%
HSV	201°, 100%, 75%
XYZ	16.6910, 18.4187, 51.9562
YIQ	95.1490, -95.6860, -5.9740

Conversions

Conversions Part 2

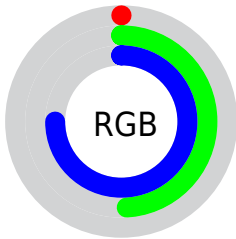
Format	Color
RYB	0, 76, 191
Decimal	32191
CIELab	50.00, -4.49, -42.49
CIELCh	50, 42.730, 263.972
Yxy	18.4187, 0.1917, 0.2115
Android (android.graphics.Color)	4278222271 (0xFF007DBF)
YUV	95.1490, 47.2545, -83.4457
Hunter-Lab	42.9170, -5.6837, -41.7359

Details

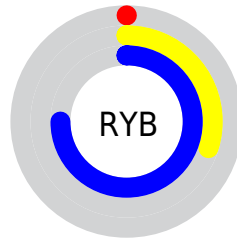
The CIELCh color **50, 42.730, 263.972** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 74.286, 49.693**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 42.930, 264.576**, and **32, 39.257, 275.970** is the 20% darker color. If you saturate the color by 10%, you get **50, 42.659, 264.175**, and if you desaturate by 10%, it is **52, 39.725, 259.220**.

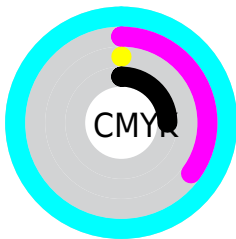
Distribution



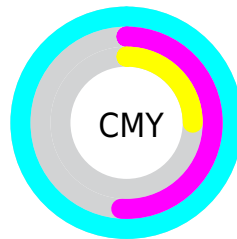
- Red (0%)
- Green (49%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- Blue (75%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (51%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 42.730, 263.972 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, 42.730, 263.972 by changing the saturation by 10% instead.


 50, 42.730,
263.972


 50, 42.730,
263.972


 100, 42.730,
263.972


 40, 42.730,
263.972


 70, 42.730,
263.972

 30, 42.730,
263.972


 80, 42.730,
263.972


 20, 42.730,
263.972

 90, 42.730,
263.972

 10, 42.730,
263.972

 0, 42.730, 263.972

 50, 42.730,
263.972

 50, 42.730,
263.972

■ 50, 42.659,
264.175

■ 52, 39.725,
259.220

■ 54, 36.719,
254.643

■ 57, 33.437,
250.696

■ 60, 29.777,
247.393

■ 62, 25.698,
244.680

■ 65, 21.207,
242.479

■ 68, 16.338,
240.706

■ 71, 11.144,
239.286

■ 74, 5.681, 238.171

Harmonies

Complementary

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



50, 42.730, 263.972



46, 74.286, 49.693

Rectangle

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



50, 42.730, 263.972



50, 42.730, 313.972



50, 42.730, 83.972



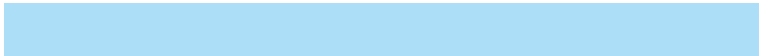
50, 42.730, 133.972

Sweetspot

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



50, 42.659, 264.175



86, 20.132, 240.782



68, 83.367, 142.160



45, 13.695, 241.499



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



50, 42.659, 264.175



64, 52.342, 265.068



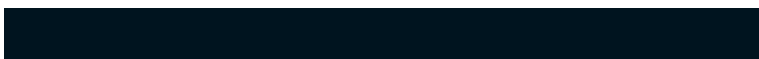
26, 97.568, 303.496



38, 3.192, 238.109



42, 36.760, 263.372



5, 9.976, 251.825

Inverse Universe

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



42, 72.257, 348.407



54, 87.489, 348.846



66, 69.865, 90.678



37, 5.547, 336.794



35, 62.998, 348.022



3, 15.493, 342.426

Previews

White Background



This preview shows how the CIE LCh color 50, 42.730, 263.972 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, 42.730, 263.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

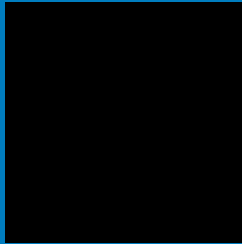
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 42.730, 263.972

Background



This preview shows how black text looks on a background with the CIELCh color 50, 42.730, 263.972.



This preview shows how white text looks on a background with the CIELCh color 50, 42.730, 263.972.

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
50, 42.697, 264.248

Protanopia
50, 39.410, 285.632

Deuteranopia
50, 43.521, 279.723



Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 42.697, 264.248

Protanomaly
49, 41.021, 273.853

Deuteranomaly
50, 43.703, 272.393

Tritanomaly
50, 30.699, 232.626

Monochromacy



Original Color
50, 42.697, 264.248

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 20.040, 244.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 42.730, 263.972 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, 125, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 191)  
}
```

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, 125, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 42.730, 263.972 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, 125, 191) }
```

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

```
.border{ border-color:rgb(0, 125, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 42.730, 263.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 191) }
```

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

```
.background{ background-color: rgb(0, 125,  
191) }
```

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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