

Converting Colors

CIELCh(42, 30.249, 247.555)

Have a look what the booklet for
CIELCh(42, 30.249, 247.555)
contains.

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Color

CIELCh(42, 30.288, 247.706)

Conversions

Conversions Part 1

Format	Color
Hex	006B91
RGB	0, 107, 145
RGB Percent	0%, 42%, 57%
CMY	1.0000, 0.5813, 0.4323
CMYK	1.00, 0.26, 0.00, 0.43
HSL	196°, 100%, 28%
HSV	196°, 100%, 57%
XYZ	10.3169, 12.5000, 28.5591
YIQ	79.3390, -75.9700, -10.8660

Conversions

Conversions Part 2

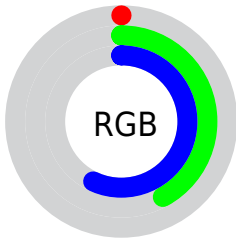
Format	Color
RYB	0, 62, 145
Decimal	27537
CIELab	42.00, -11.49, -28.02
CIELCh	42, 30.288, 247.706
Yxy	12.5000, 0.2008, 0.2433
Android (android.graphics.Color)	4278217617 (0xFF006B91)
YUV	79.3390, 32.3709, -69.5803
Hunter-Lab	35.3553, -9.7846, -23.1441

Details

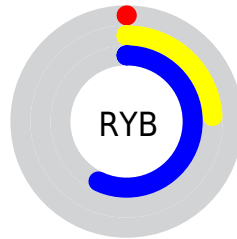
The CIELCh color **42, 30.288, 247.706** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 62.636, 46.223**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 30.283, 248.182**, and **24, 25.211, 262.968** is the 20% darker color. If you saturate the color by 10%, you get **42, 30.262, 247.765**, and if you desaturate by 10%, it is **43, 28.891, 243.561**.

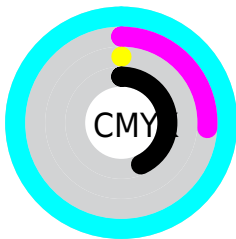
Distribution



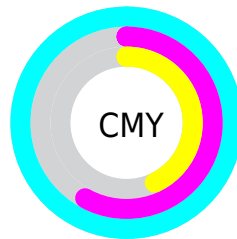
- Red (0%)
- Green (42%)
- Blue (57%)



- Red (0%)
- Yellow (24%)
- Blue (57%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (43%)





- Cyan (100%)
- Magenta (58%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 30.288, 247.706 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 42, 30.288, 247.706 by changing the saturation by 10% instead.


 42, 30.288,
247.706


 42, 30.288,
247.706


 100, 30.288,
247.706


 32, 30.288,
247.706

 62, 30.288,
247.706


 22, 30.288,
247.706

 72, 30.288,
247.706

 12, 30.288,
247.706

 82, 30.288,
247.706

 2, 30.288, 247.706

 92, 30.288,
247.706

 0, 30.288, 247.706

 42, 30.288,

 42, 30.288,

247.706

■ 42, 30.262,
247.765

247.706

■ 43, 28.891,
243.561

■ 45, 27.316,
239.773

■ 46, 25.333,
236.637

■ 48, 22.891,
234.098

■ 50, 19.987,
232.074

■ 52, 16.648,
230.481

■ 54, 12.924,
229.239

■ 56, 8.870, 228.285

Harmonies

Complementary

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



42, 30.288, 247.706



33, 62.636, 46.223

Rectangle

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



42, 30.288, 247.706



42, 30.288, 297.706



42, 30.288, 67.706



42, 30.288, 117.706

Sweetspot

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



42, 30.262, 247.765



69, 16.011, 229.308



52, 71.229, 140.119



35, 10.755, 229.744



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 30.262, 247.765



54, 37.037, 248.865



21, 70.990, 300.004



29, 2.542, 227.538



39, 28.733, 247.436



1, 1.752, 226.940

Inverse Universe

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



32, 62.282, 341.859



42, 75.445, 342.230



48, 55.068, 83.850



28, 4.669, 333.361



30, 59.314, 341.750



1, 3.132, 332.806

Previews

White Background



This preview shows how the CIE LCh color 42, 30.288, 247.706 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 42, 30.288, 247.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

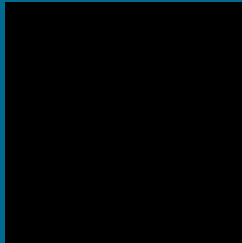
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 30.288, 247.706

Background



This preview shows how black text looks on a background with the CIELCh color 42, 30.288, 247.706.

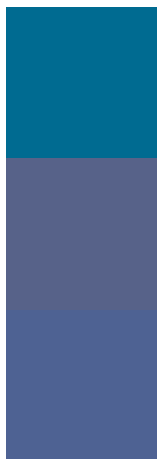


This preview shows how white text looks on a background with the CIELCh color 42, 30.288, 247.706.

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

42, 30.288, 247.706

Protanopia

42, 23.718, 284.471

Deuteranopia

42, 29.964, 282.300



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 30.288, 247.706

Protanomaly
41, 26.477, 262.790

Deuteranomaly
41, 29.850, 265.738

Tritanomaly
42, 26.180, 223.355

Monochromacy



Original Color
42, 30.288, 247.706

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.581, 232.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 30.288, 247.706 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, 107, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 145)  
}
```

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, 107, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 30.288, 247.706 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, 107, 145) }
```

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

```
.border{ border-color:rgb(0, 107, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 30.288, 247.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 145) }
```

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

```
.background{ background-color: rgb(0, 107,  
145) }
```

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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