

Converting Colors

CIELCh(42, 28.678, 241.455)

Have a look what the booklet for
CIELCh(42, 28.678, 241.455)
contains.

CIELCh(42, 28.721, 242.152)	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(42, 28.721, 242.152)

Conversions

Conversions Part 1

Format	Color
Hex	016B8C
RGB	1, 107, 140
RGB Percent	0%, 42%, 55%
CMY	0.9956, 0.5790, 0.4495
CMYK	0.99, 0.24, 0.00, 0.45
HSL	194°, 98%, 28%
HSV	194°, 99%, 55%
XYZ	10.0689, 12.5000, 26.8354
YIQ	79.0680, -73.7690, -12.2090

Conversions

Conversions Part 2

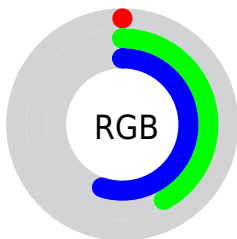
Format	Color
RYB	1, 61, 140
Decimal	93068
CIELab	42.00, -13.42, -25.39
CIELCh	42, 28.721, 242.152
Yxy	12.5000, 0.2038, 0.2530
Android (android.graphics.Color)	4278283148 (0xFF016B8C)
YUV	79.0680, 30.0395, -68.4656
Hunter-Lab	35.3553, -11.0365, -20.2536

Details

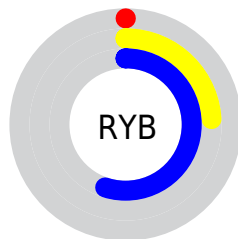
The CIELCh color **42, 28.721, 242.152** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **31, 61.313, 45.064**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 28.783, 243.148**, and **24, 23.282, 258.011** is the 20% darker color. If you saturate the color by 10%, you get **42, 28.813, 242.456**, and if you desaturate by 10%, it is **43, 27.611, 238.282**.

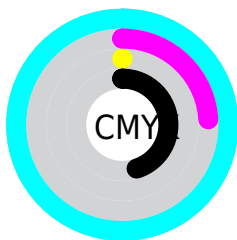
Distribution



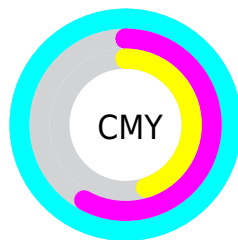
- Red (0%)
- Green (42%)
- Blue (55%)



- Red (0%)
- Yellow (24%)
- Blue (55%)



- Cyan (99%)
- Magenta (24%)
- Yellow (0%)
- Black (45%)





- Cyan (100%)
- Magenta (58%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 28.721, 242.152 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, 28.721, 242.152 by changing the saturation by 10% instead.


 42, 28.721,
242.152


 42, 28.721,
242.152


 100, 28.721,
242.152


 32, 28.721,
242.152

 62, 28.721,
242.152


 22, 28.721,
242.152

 72, 28.721,
242.152

 12, 28.721,
242.152

 82, 28.721,
242.152

 2, 28.721, 242.152

 92, 28.721,
242.152

 0, 28.721, 242.152

 42, 28.721,

 42, 28.721,

242.152

■ 42, 28.813,
242.456

242.152

■ 43, 27.611,
238.282

■ 45, 26.228,
234.876

■ 46, 24.393,
232.093

■ 47, 22.069,
229.865

■ 49, 19.261,
228.110

■ 51, 16.007,
226.747

■ 53, 12.358,
225.702

■ 55, 8.374, 224.918

Harmonies

Complementary

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



42, 28.721, 242.152



31, 61.313, 45.064

Rectangle

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



42, 28.721, 242.152



42, 28.721, 292.152



42, 28.721, 62.152



42, 28.721, 112.152

Sweetspot

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



42, 28.720, 242.152



67, 15.731, 225.837



51, 69.959, 139.850



34, 10.558, 226.204



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 28.720, 242.152



54, 35.270, 243.529



21, 67.118, 298.969



29, 2.561, 224.369



40, 28.011, 242.284



1, 1.767, 223.876

Inverse Universe

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



31, 61.896, 340.070



41, 75.267, 340.496



46, 53.361, 82.554



28, 4.754, 332.399



30, 60.355, 340.113



1, 3.189, 331.857

Previews

White Background



This preview shows how the CIELCh color 42, 28.721, 242.152 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 42, 28.721, 242.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

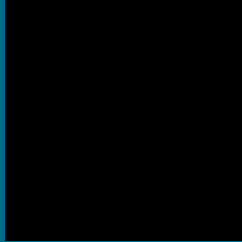
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 28.721, 242.152

Background



This preview shows how black text looks on a background with the CIELCh color 42, 28.721, 242.152.

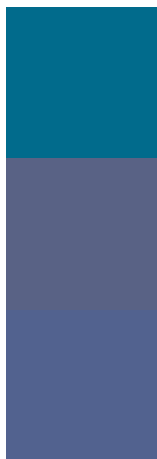


This preview shows how white text looks on a background with the CIELCh color 42, 28.721, 242.152.

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, 28.681, 242.235

Protanopia

42, 21.276, 284.729

Deuteranopia

42, 27.454, 283.138



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 28.681, 242.235

Protanomaly
41, 24.368, 259.963

Deuteranomaly
41, 27.634, 263.674

Tritanomaly
42, 25.999, 220.518

Monochromacy



Original Color
42, 28.681, 242.235

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.880, 228.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 28.721, 242.152 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(1, 107, 140)` looks like.

```
.text, #text, p{  
    color:rgb(1, 107, 140)  
}
```

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(1, 107, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 107, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 28.721, 242.152 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(1, 107, 140) }
```

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

```
.border{ border-color:rgb(1, 107, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 107, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 107, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 107, 140);  
box-shadow:4px 4px 4px 4px rgb(1, 107,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 28.721, 242.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 107, 140) }
```

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

```
.background{ background-color: rgb(1, 107,  
140) }
```

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