

Converting Colors

CIELCh(42, 48.553, 277.081)

Have a look what the booklet for
CIELCh(42, 48.553, 277.081)
contains.

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Color

CIELCh(42, 48.481, 276.932)

Conversions

Conversions Part 1

Format	Color
Hex	0065B3
RGB	0, 101, 179
RGB Percent	0%, 40%, 70%
CMY	1.0000, 0.6049, 0.2992
CMYK	1.00, 0.44, 0.00, 0.30
HSL	206°, 100%, 35%
HSV	206°, 100%, 70%
XYZ	12.7348, 12.5000, 44.2353
YIQ	79.6930, -85.2340, 2.8460

Conversions

Conversions Part 2

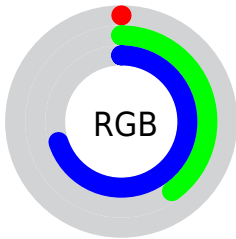
Format	Color
R _{YB}	0, 65, 179
Decimal	26035
CIE Lab	42.00, 5.85, -48.13
CIE LCh	42, 48.481, 276.932
Yxy	12.5000, 0.1833, 0.1799
Android (android.graphics.Color)	4278216115 (0xFF0065B3)
YUV	79.6930, 48.9584, -69.8908
Hunter-Lab	35.3553, 2.4227, -49.4328

Details

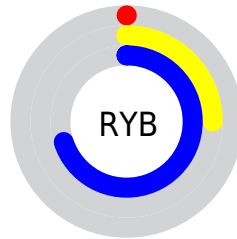
The CIELCh color `42, 48.481, 276.932` is a dark color, and the websafe version is hex `0066CC`. A complement of this color would be `46, 67.199, 55.749`, and the grayscale version is `34, 0.005, 296.813`.

A 20% lighter version of the original color is `62, 48.480, 277.109`, and `24, 46.845, 288.222` is the 20% darker color. If you saturate the color by 10%, you get `42, 48.480, 276.938`, and if you desaturate by 10%, it is `45, 44.100, 272.229`.

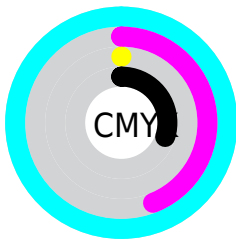
Distribution



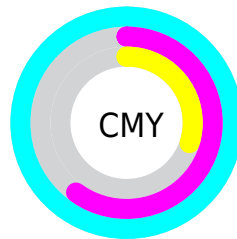
- Red (0%)
- Green (40%)
- Blue (70%)



- Red (0%)
- Yellow (25%)
- Blue (70%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (60%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 48.481, 276.932 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, 48.481, 276.932 by changing the saturation by 10% instead.

 42, 48.481,
276.932


 42, 48.481,
276.932


 100, 48.481,
276.932


 32, 48.481,
276.932

 62, 48.481,
276.932


 22, 48.481,
276.932

 72, 48.481,
276.932

 12, 48.481,
276.932

 82, 48.481,
276.932

 2, 48.481, 276.932

 92, 48.481,
276.932

 0, 48.481, 276.932

 42, 48.481,

 42, 48.481,

276.932

■ 42, 48.480,
276.938

276.932

■ 45, 44.100,
272.229

■ 47, 39.823,
267.689

■ 50, 35.493,
263.627

■ 53, 31.017,
260.111

■ 56, 26.337,
257.133

■ 59, 21.437,
254.644

■ 63, 16.324,
252.579

■ 66, 11.026,
250.871

Harmonies

Complementary

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



42, 48.481, 276.932



46, 67.199, 55.749

Rectangle

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



42, 48.481, 276.932



42, 48.481, 326.932



42, 48.481, 96.932



42, 48.481, 146.932

Sweetspot

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



42, 48.480, 276.938



79, 20.171, 252.675



64, 72.717, 146.095



41, 13.788, 253.497



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 48.480, 276.938



54, 59.846, 277.835



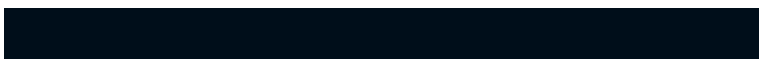
22, 99.418, 305.449



36, 3.157, 249.393



36, 42.770, 276.287



4, 8.331, 260.393

Inverse Universe

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



39, 65.996, 355.998



50, 80.039, 356.666



67, 70.736, 98.436



35, 4.968, 341.049



33, 58.965, 355.527



2, 11.027, 346.297

Previews

White Background



This preview shows how the CIELCh color 42, 48.481, 276.932 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, 48.481, 276.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

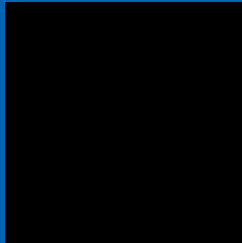
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 48.481, 276.932

Background



This preview shows how black text looks on a background with the CIELCh color 42, 48.481, 276.932.



This preview shows how white text looks on a background with the CIELCh color 42, 48.481, 276.932.

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, 48.493, 276.881

Protanopia

42, 47.263, 286.470

Deuteranopia

42, 48.447, 277.082



Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 48.493, 276.881

Protanomaly
42, 47.864, 281.248

Deuteranomaly
42, 48.458, 277.032

Tritanomaly
42, 28.438, 240.973

Monochromacy



Original Color
42, 48.493, 276.881

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 20.454, 257.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 48.481, 276.932 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, 101, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 179)  
}
```

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, 101, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 48.481, 276.932 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, 101, 179) }
```

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

```
.border{ border-color:rgb(0, 101, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 48.481, 276.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 179) }
```

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

```
.background{ background-color: rgb(0, 101,  
179) }
```

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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