

Converting Colors

CIELCh(32, 78.052, 226.357)

Have a look what the booklet for
CIELCh(32, 78.052, 226.357)
contains.

CIELCh(40, 42.765, 272.712)	3
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Color

CIELCh(40, 42.765, 272.712)

Conversions

Conversions Part 1

Format	Color
Hex	0061A4
RGB	0, 97, 164
RGB Percent	0%, 38%, 64%
CMY	1.0000, 0.6188, 0.3565
CMYK	1.00, 0.41, 0.00, 0.36
HSL	204°, 100%, 32%
HSV	204°, 100%, 64%
XYZ	10.9649, 11.2510, 36.7648
YIQ	75.6350, -79.3190, 0.2730

Conversions

Conversions Part 2

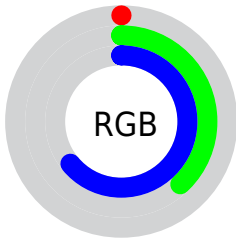
Format	Color
RYB	0, 61, 164
Decimal	24996
CIELab	40.00, 2.02, -42.72
CIELCh	40, 42.765, 272.712
Yxy	11.2510, 0.1859, 0.1908
Android (android.graphics.Color)	4278215076 (0xFF0061A4)
YUV	75.6350, 43.5639, -66.3319
Hunter-Lab	33.5425, -0.3484, -41.5060

Details

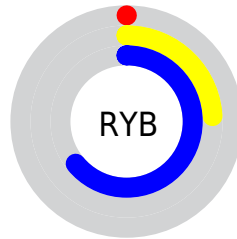
The CIELCh color **40, 42.765, 272.712** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **41, 63.911, 54.005**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 42.625, 272.897**, and **22, 40.345, 285.250** is the 20% darker color. If you saturate the color by 10%, you get **40, 42.717, 272.907**, and if you desaturate by 10%, it is **42, 39.106, 268.173**.

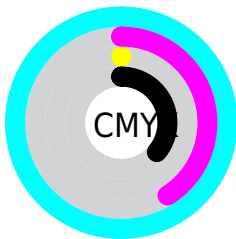
Distribution



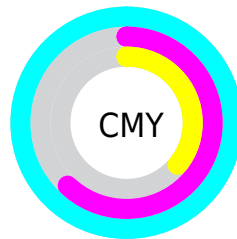
- Red (0%)
- Green (38%)
- Blue (64%)



- Red (0%)
- Yellow (24%)
- Blue (64%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (62%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.765, 272.712 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 40, 42.765, 272.712 by changing the saturation by 10% instead.


 40, 42.765,
272.712


 40, 42.765,
272.712


 100, 42.765,
272.712


 30, 42.765,
272.712

 60, 42.765,
272.712


 20, 42.765,
272.712

 70, 42.765,
272.712

 10, 42.765,
272.712

 80, 42.765,
272.712

 0, 42.765, 272.712

 90, 42.765,
272.712

 40, 42.765,

 40, 42.765,

272.712

■ 40, 42.717,
272.907

272.712

■ 42, 39.106,
268.173

■ 45, 35.547,
263.640

■ 47, 31.876,
259.632

■ 50, 28.007,
256.196

■ 53, 23.894,
253.310

■ 55, 19.526,
250.915

■ 58, 14.921,
248.942

■ 61, 10.108,
247.322

Harmonies

Complementary

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



40, 42.765, 272.712



41, 63.911, 54.005

Rectangle

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



40, 42.765, 272.712



40, 42.765, 322.712



40, 42.765, 92.712



40, 42.765, 142.712

Sweetspot

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



40, 42.717, 272.907



74, 18.515, 249.043



59, 70.125, 144.866



38, 12.520, 249.792



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



40, 42.717, 272.907



52, 52.891, 273.928



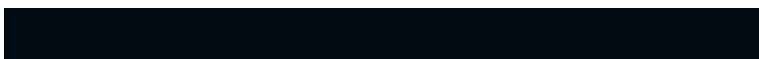
20, 91.248, 304.809



33, 2.888, 245.926



35, 38.760, 272.350



2, 4.676, 251.329

Inverse Universe

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



36, 62.726, 353.249



47, 76.236, 353.909



61, 64.982, 96.061



32, 4.705, 339.643



31, 57.487, 352.898



1, 6.977, 341.713

Previews

White Background



This preview shows how the CIE LCh color 40, 42.765, 272.712 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 40, 42.765, 272.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

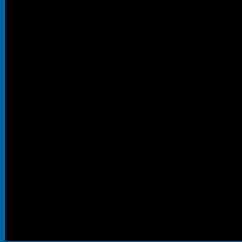
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 42.765, 272.712

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.765, 272.712.



This preview shows how white text looks on a background with the CIELCh color 40, 42.765, 272.712.

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](#).

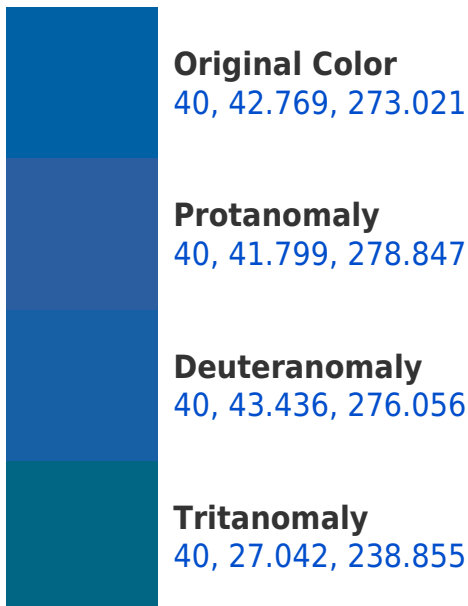
Dichromacy



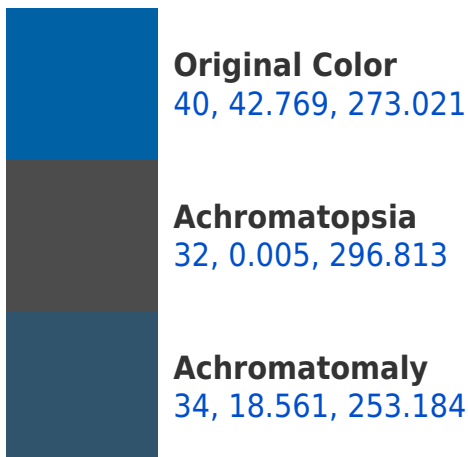


Tritanopia
40, 25.277, 206.449

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.765, 272.712 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, 97, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 164)  
}
```

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, 97, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.765, 272.712 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, 97, 164) }
```

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

```
.border{ border-color:rgb(0, 97, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 164)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.765, 272.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 164) }
```

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

```
.background{ background-color: rgb(0, 97,  
164) }
```

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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