

Converting Colors

CIELCh(37, 48.386, 252.530)

Have a look what the booklet for
CIELCh(37, 48.386, 252.530)
contains.

CIELCh(40, 41.228, 271.111)	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(40, 41.228, 271.111)

Conversions

Conversions Part 1

Format	Color
Hex	0062A2
RGB	0, 98, 162
RGB Percent	0%, 38%, 64%
CMY	1.0000, 0.6171, 0.3663
CMYK	1.00, 0.40, 0.00, 0.37
HSL	204°, 100%, 32%
HSV	204°, 100%, 63%
XYZ	10.8003, 11.2510, 35.5920
YIQ	75.9940, -78.9520, -0.8720

Conversions

Conversions Part 2

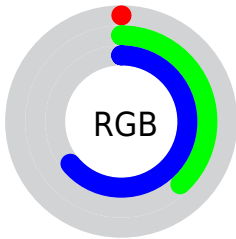
Format	Color
R_{YB}	0, 61, 162
Decimal	25250
CIE Lab	40.00, 0.80, -41.22
CIE LCh	40, 41.228, 271.111
Yxy	11.2510, 0.1874, 0.1952
Android (android.graphics.Color)	4278215330 (0xFF0062A2)
YUV	75.9940, 42.4010, -66.6467
Hunter-Lab	33.5425, -1.2243, -39.4331

Details

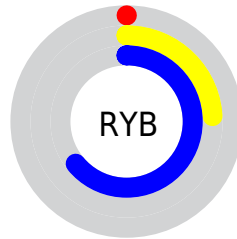
The CIELCh color **40, 41.228, 271.111** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **40, 63.563, 53.261**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 41.172, 271.281**, and **22, 39.118, 284.378** is the 20% darker color. If you saturate the color by 10%, you get **40, 41.204, 271.204**, and if you desaturate by 10%, it is **42, 37.829, 266.453**.

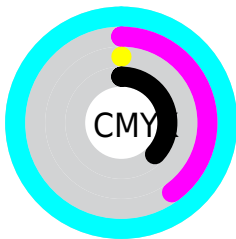
Distribution



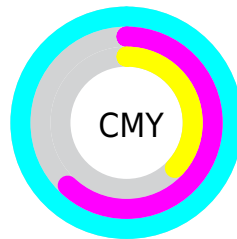
- Red (0%)
- Green (38%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (62%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 41.228, 271.111 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, 41.228, 271.111 by changing the saturation by 10% instead.


 40, 41.228,
271.111


 40, 41.228,
271.111


 100, 41.228,
271.111


 30, 41.228,
271.111

 60, 41.228,
271.111


 20, 41.228,
271.111

 70, 41.228,
271.111

 10, 41.228,
271.111

 80, 41.228,
271.111

 0, 41.228, 271.111

 90, 41.228,
271.111

 40, 41.228,

 40, 41.228,

271.111

■ 40, 41.204,
271.204

271.111

■ 42, 37.829,
266.453

■ 44, 34.486,
261.924

■ 47, 31.008,
257.939

■ 49, 27.308,
254.537

■ 52, 23.344,
251.690

■ 55, 19.110,
249.336

■ 58, 14.624,
247.402

■ 61, 9.919, 245.820

Harmonies

Complementary

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



40, 41.228, 271.111



40, 63.563, 53.261

Rectangle

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



40, 41.228, 271.111



40, 41.228, 321.111



40, 41.228, 91.111



40, 41.228, 141.111

Sweetspot

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



40, 41.204, 271.204



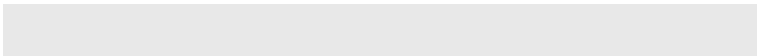
73, 18.020, 247.499



58, 70.291, 144.242



37, 12.176, 248.224



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



40, 41.204, 271.204



51, 50.636, 272.220



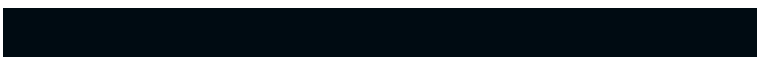
20, 89.093, 304.452



33, 2.873, 244.465



36, 37.864, 270.709



3, 4.645, 250.050

Inverse Universe

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



35, 62.357, 352.197



46, 75.275, 352.817



59, 63.583, 94.815



32, 4.744, 339.080



31, 57.793, 351.902



1, 7.033, 341.147

Previews

White Background



This preview shows how the CIE LCh color 40, 41.228, 271.111 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, 41.228, 271.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

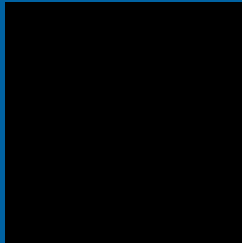
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 41.228, 271.111

Background



This preview shows how black text looks on a background with the CIELCh color 40, 41.228, 271.111.



This preview shows how white text looks on a background with the CIELCh color 40, 41.228, 271.111.

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

40, 41.228, 271.111

Protanopia

40, 39.167, 285.836

Deuteranopia

40, 41.784, 278.486



Tritanopia
40, 25.277, 206.449

Trichromacy



Original Color
40, 41.228, 271.111

Protanomaly
40, 40.104, 277.787

Deuteranomaly
40, 41.727, 275.149

Tritanomaly
40, 26.788, 237.561

Monochromacy



Original Color
40, 41.228, 271.111

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 18.131, 251.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 41.228, 271.111 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, 98, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 162)  
}
```

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, 98, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 41.228, 271.111 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, 98, 162) }
```

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

```
.border{ border-color:rgb(0, 98, 162) }
```

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

Here you see how a box with a 4 pixel rgb(0, 98, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 162)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 41.228, 271.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 162) }
```

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

```
.background{ background-color: rgb(0, 98,  
162) }
```

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