

Converting Colors

CIELCh(40, 40.005, 269.362)

Have a look what the booklet for
CIELCh(40, 40.005, 269.362)
contains.

CIELCh(40, 40.217, 269.976)	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, 40.217, 269.976)

Conversions

Conversions Part 1

Format	Color
Hex	0062A0
RGB	0, 98, 160
RGB Percent	0%, 38%, 63%
CMY	1.0000, 0.6160, 0.3729
CMYK	1.00, 0.39, 0.00, 0.37
HSL	203°, 100%, 31%
HSV	203°, 100%, 63%
XYZ	10.6915, 11.2510, 34.8201
YIQ	75.7660, -78.3100, -1.4940

Conversions

Conversions Part 2

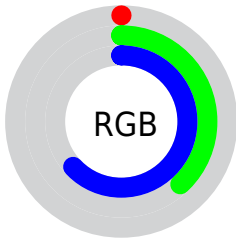
Format	Color
RYB	0, 61, 160
Decimal	25248
CIELab	40.00, -0.02, -40.22
CIELCh	40, 40.217, 269.976
Yxy	11.2510, 0.1884, 0.1982
Android (android.graphics.Color)	4278215328 (0xFF0062A0)
YUV	75.7660, 41.5274, -66.4468
Hunter-Lab	33.5425, -1.8035, -38.0687

Details

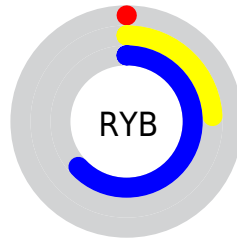
The CIELCh color **40, 40.217, 269.976** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **39, 63.333, 52.765**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 40.262, 270.110**, and **22, 37.892, 283.450** is the 20% darker color. If you saturate the color by 10%, you get **40, 40.211, 269.999**, and if you desaturate by 10%, it is **42, 36.992, 265.243**.

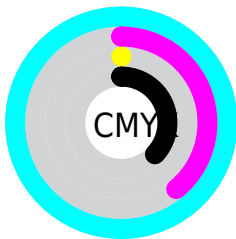
Distribution



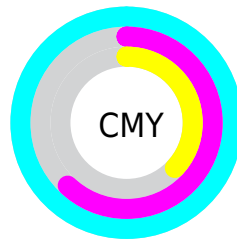
- Red (0%)
- Green (38%)
- Blue (63%)



- Red (0%)
- Yellow (24%)
- Blue (63%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 40.217, 269.976 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, 40.217, 269.976 by changing the saturation by 10% instead.


 40, 40.217,
269.976


 40, 40.217,
269.976


 100, 40.217,
269.976


 30, 40.217,
269.976


 60, 40.217,
269.976


 20, 40.217,
269.976

 70, 40.217,
269.976

 10, 40.217,
269.976

 80, 40.217,
269.976

 0, 40.217, 269.976

 90, 40.217,
269.976

 40, 40.217,

 40, 40.217,

269.976

■ 40, 40.211,
269.999

269.976

■ 42, 36.992,
265.243

■ 44, 33.793,
260.720

■ 47, 30.441,
256.756

■ 49, 26.853,
253.381

■ 52, 22.987,
250.563

■ 54, 18.839,
248.240

■ 57, 14.431,
246.336

■ 60, 9.796, 244.782

Harmonies

Complementary

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



40, 40.217, 269.976



39, 63.333, 52.765

Rectangle

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



40, 40.217, 269.976



40, 40.217, 319.976



40, 40.217, 89.976



40, 40.217, 139.976

Sweetspot

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



40, 40.211, 269.999



73, 17.933, 246.436



58, 69.720, 144.262



37, 12.113, 247.150



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, 40.211, 269.999



52, 49.809, 271.068



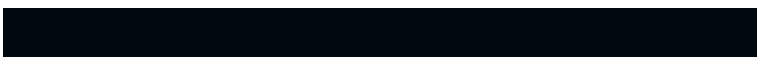
20, 88.359, 304.436



32, 2.790, 243.452



36, 36.748, 269.461



2, 3.741, 246.215

Inverse Universe

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



35, 62.122, 351.487



46, 75.556, 352.116



59, 63.098, 94.823



31, 4.647, 338.696



31, 57.287, 351.179



1, 5.894, 339.539

Previews

White Background



This preview shows how the CIE LCh color 40, 40.217, 269.976 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, 40.217, 269.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

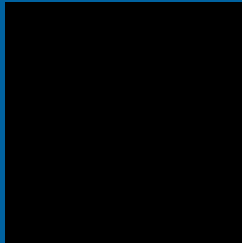
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 40.217, 269.976

Background



This preview shows how black text looks on a background with the CIELCh color 40, 40.217, 269.976.



This preview shows how white text looks on a background with the CIELCh color 40, 40.217, 269.976.

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



Original Color
40, 40.217, 269.976

Protanomaly
40, 39.512, 277.573

Deuteranomaly
40, 41.133, 274.949

Tritanomaly
40, 26.547, 236.244

Monochromacy



Original Color
40, 40.217, 269.976

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, 40.217, 269.976 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 40.217, 269.976 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, 160) }
```

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

```
.border{ border-color:rgb(0, 98, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 160)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 40.217, 269.976 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, 160) }
```

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

```
.background{ background-color: rgb(0, 98,  
160) }
```

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