

Converting Colors

CIELCh(40, 36.927, 271.723)

Have a look what the booklet for
CIELCh(40, 36.927, 271.723)
contains.

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Color

CIELCh(40, 36.701, 271.376)

Conversions

Conversions Part 1

Format	Color
Hex	23619A
RGB	35, 97, 154
RGB Percent	14%, 38%, 60%
CMY	0.8624, 0.6194, 0.3959
CMYK	0.77, 0.37, 0.00, 0.40
HSL	209°, 63%, 37%
HSV	209°, 77%, 60%
XYZ	10.8113, 11.2510, 32.1955
YIQ	84.9600, -55.2490, 4.5830

Conversions

Conversions Part 2

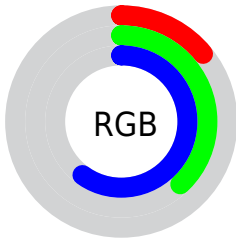
Format	Color
RYB	35, 76, 154
Decimal	2318746
CIELab	40.00, 0.88, -36.69
CIELCh	40, 36.701, 271.376
Yxy	11.2510, 0.1993, 0.2074
Android (android.graphics.Color)	4280508826 (0xFF23619A)
YUV	84.9600, 34.0367, -43.8149
Hunter-Lab	33.5425, -1.1659, -33.4293

Details

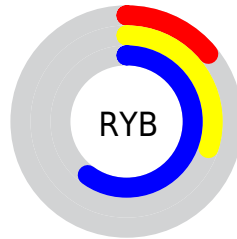
The CIELCh color **40, 36.701, 271.376** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 46.654, 63.748**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 36.958, 271.566**, and **21, 34.891, 281.280** is the 20% darker color. If you saturate the color by 10%, you get **37, 41.105, 275.605**, and if you desaturate by 10%, it is **43, 32.293, 267.590**.

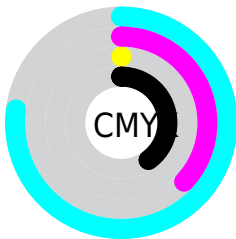
Distribution



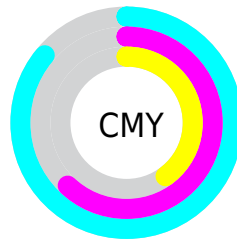
- Red (14%)
- Green (38%)
- Blue (60%)



- Red (14%)
- Yellow (30%)
- Blue (60%)



- Cyan (77%)
- Magenta (37%)
- Yellow (0%)
- Black (40%)





- Cyan (86%)
- Magenta (62%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 36.701, 271.376 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, 36.701, 271.376 by changing the saturation by 10% instead.


 40, 36.701,
271.376


 40, 36.701,
271.376


 100, 36.701,
271.376


 30, 36.701,
271.376

 60, 36.701,
271.376


 20, 36.701,
271.376

 70, 36.701,
271.376

 10, 36.701,
271.376

 80, 36.701,
271.376

 0, 36.701, 271.376

 90, 36.701,
271.376

 40, 36.701,

 40, 36.701,

271.376

■ 37, 41.105,
275.605

■ 35, 45.603,
280.073

■ 34, 46.893,
281.234

271.376

■ 43, 32.293,
267.590

■ 46, 27.813,
264.294

■ 49, 23.221,
261.482

■ 52, 18.501,
259.110

■ 55, 13.659,
257.120

■ 58, 8.712, 255.456

■ 61, 3.681, 254.093

■ 65, 1.410, 72.588

■ 68, 6.541, 71.746

Harmonies

Complementary

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



40, 36.701, 271.376



45, 46.654, 63.748

Rectangle

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



40, 36.701, 271.376



40, 36.701, 321.376



40, 36.701, 91.376



40, 36.701, 141.376

Sweetspot

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



40, 36.700, 271.377



72, 14.402, 256.457



56, 52.817, 152.514



37, 10.019, 257.052



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 36.700, 271.377



47, 54.306, 279.047



24, 73.587, 302.069



31, 2.858, 254.337



31, 43.444, 280.816



2, 3.127, 254.103

Inverse Universe

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



36, 53.484, 352.514



44, 70.475, 357.671



61, 57.818, 101.839



30, 4.244, 343.234



30, 54.671, 359.054



1, 4.512, 343.000

Previews

White Background



This preview shows how the CIELCh color 40, 36.701, 271.376 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 40, 36.701, 271.376 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, 36.701, 271.376

Background



This preview shows how black text looks on a background with the CIELCh color 40, 36.701, 271.376.



This preview shows how white text looks on a background with the CIELCh color 40, 36.701, 271.376.

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, 36.701, 271.376

Protanopia
40, 34.938, 285.399

Deuteranopia
40, 37.924, 279.655

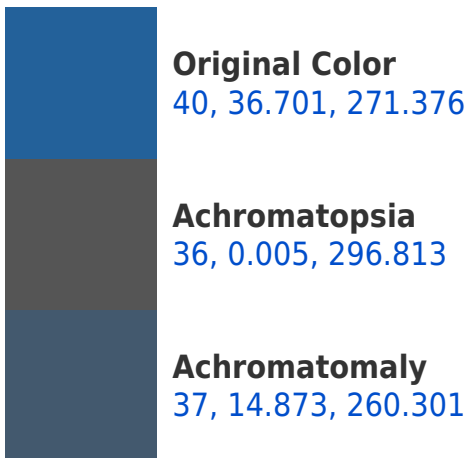


Tritanopia
40, 25.044, 208.030

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 36.701, 271.376 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(35, 97, 154)` looks like.

```
.text, #text, p{  
    color:rgb(35, 97, 154)  
}
```

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(35, 97, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 97, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 36.701, 271.376 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(35, 97, 154) }
```

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

```
.border{ border-color:rgb(35, 97, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 97, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 97, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 97, 154);  
box-shadow:4px 4px 4px 4px rgb(35, 97,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 36.701, 271.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 97, 154) }
```

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

```
.background{ background-color: rgb(35, 97,  
154) }
```

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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