

Converting Colors

CIELCh(40, 51.074, 293.813)

Have a look what the booklet for
CIELCh(40, 51.074, 293.813)
contains.

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Color

CIELCh(40, 50.971, 293.735)

Conversions

Conversions Part 1

Format	Color
Hex	4B57AB
RGB	75, 87, 171
RGB Percent	29%, 34%, 67%
CMY	0.7059, 0.6588, 0.3294
CMYK	0.56, 0.49, 0.00, 0.33
HSL	233°, 39%, 48%
HSV	233°, 56%, 67%
XYZ	13.6588, 11.2510, 39.9764
YIQ	92.9880, -34.1160, 23.5800

Conversions

Conversions Part 2

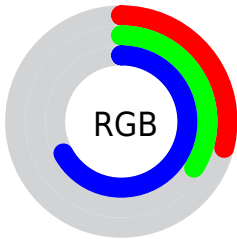
Format	Color
R_{YB}	75, 86, 171
Decimal	4937643
CIE _{Lab}	40.00, 20.52, -46.66
CIE _{LCh}	40, 50.971, 293.735
Yxy	11.2510, 0.2105, 0.1734
Android (android.graphics.Color)	4283127723 (0xFF4B57AB)
YUV	92.9880, 38.4599, -15.7755
Hunter-Lab	33.5425, 13.9875, -47.1829

Details

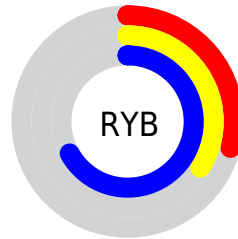
The CIELCh color **40, 50.971, 293.735** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **65, 45.204, 98.491**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 50.746, 293.614**, and **20, 51.149, 293.818** is the 20% darker color. If you saturate the color by 10%, you get **35, 61.150, 296.215**, and if you desaturate by 10%, it is **45, 41.102, 291.509**.

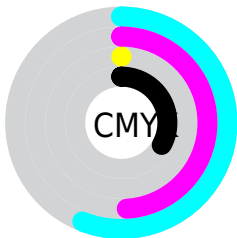
Distribution



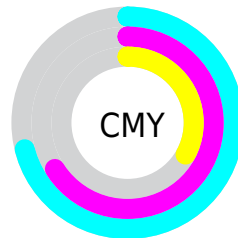
- Red (29%)
- Green (34%)
- Blue (67%)



- Red (29%)
- Yellow (34%)
- Blue (67%)



- Cyan (56%)
- Magenta (49%)
- Yellow (0%)
- Black (33%)





- Cyan (71%)
- Magenta (66%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.971, 293.735 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, 50.971, 293.735 by changing the saturation by 10% instead.


 40, 50.971,
293.735


 40, 50.971,
293.735


 100, 50.971,
293.735


 30, 50.971,
293.735

 60, 50.971,
293.735


 20, 50.971,
293.735

 70, 50.971,
293.735

 10, 50.971,
293.735

 80, 50.971,
293.735

 0, 50.971, 293.735

 90, 50.971,
293.735

 40, 50.971,

 40, 50.971,

293.735

■ 35, 61.150,
296.215

■ 30, 71.435,
298.847

■ 26, 81.314,
301.435

■ 23, 89.850,
303.689

■ 22, 92.580,
304.356

293.735

■ 45, 41.102,
291.509

■ 51, 31.596,
289.564

■ 56, 22.443,
287.890

■ 61, 13.620,
286.459

■ 67, 5.100, 285.246

■ 72, 3.140, 104.141

■ 77, 11.120,
103.262

■ 83, 18.856,
102.484

■ 88, 26.362,
101.806

Harmonies

Complementary

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



40, 50.971, 293.735



65, 45.204, 98.491

Rectangle

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



40, 50.971, 293.735



40, 50.971, 343.735



40, 50.971, 113.735



40, 50.971, 163.735

Sweetspot

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



40, 50.971, 293.736



77, 17.765, 286.613



64, 31.419, 183.552



40, 12.017, 286.878



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 50.971, 293.736



45, 76.819, 296.746



40, 58.814, 307.970



34, 4.779, 285.607



19, 83.668, 304.153



1, 10.211, 285.711

Inverse Universe

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



45, 42.372, 17.202



53, 62.865, 20.724



66, 52.569, 121.519



34, 3.863, 9.854



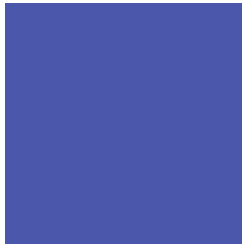
31, 65.282, 33.650



2, 7.902, 10.989

Previews

White Background



This preview shows how the CIELCh color 40, 50.971, 293.735 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, 50.971, 293.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

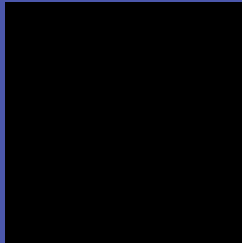
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 50.971, 293.735

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.971, 293.735.



This preview shows how white text looks on a background with the CIELCh color 40, 50.971, 293.735.

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, 17.367, 213.980

Trichromacy



Original Color
40, 50.971, 293.735

Protanomaly
40, 51.118, 288.898

Deuteranomaly
40, 47.552, 282.011

Tritanomaly
40, 23.662, 264.085

Monochromacy



Original Color
40, 50.971, 293.735

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 18.395, 287.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.971, 293.735 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(75, 87, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 87, 171)  
}
```

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(75, 87, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 87, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.971, 293.735 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(75, 87, 171) }
```

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

```
.border{ border-color:rgb(75, 87, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 87, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 87, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 87, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 87,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.971, 293.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 87, 171) }
```

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

```
.background{ background-color: rgb(75, 87,  
171) }
```

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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