

Converting Colors

CIELCh(53, 40.227, 333.223)

Have a look what the booklet for
CIELCh(53, 40.227, 333.223)
contains.

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Color

CIELCh(53, 40.233, 333.226)

Conversions

Conversions Part 1

Format	Color
Hex	AC679E
RGB	172, 103, 158
RGB Percent	67%, 40%, 62%
CMY	0.3242, 0.5949, 0.3792
CMYK	0.00, 0.40, 0.08, 0.32
HSL	312°, 29%, 54%
HSV	312°, 40%, 68%
XYZ	28.1621, 21.0462, 35.0656
YIQ	129.9010, 23.4690, 31.7330

Conversions

Conversions Part 2

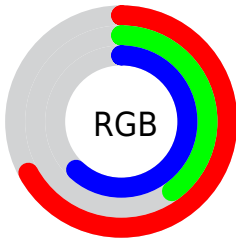
Format	Color
R_{YB}	172, 103, 158
Decimal	11298718
CIE _{Lab}	53.00, 35.92, -18.12
CIE _{LCh}	53, 40.233, 333.226
Yxy	21.0462, 0.3342, 0.2497
Android (android.graphics.Color)	4289488798 (0xFFAC679E)
YUV	129.9010, 13.8528, 36.9208
Hunter-Lab	45.8761, 29.2931, -13.2053

Details

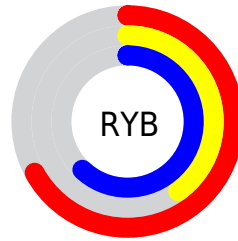
The CIELCh color **53, 40.233, 333.226** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **65, 40.108, 147.383**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 40.136, 333.318**, and **33, 40.567, 332.831** is the 20% darker color. If you saturate the color by 10%, you get **49, 49.485, 333.935**, and if you desaturate by 10%, it is **57, 30.391, 332.541**.

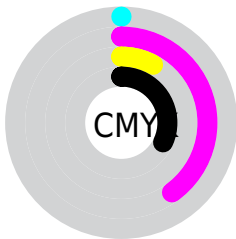
Distribution



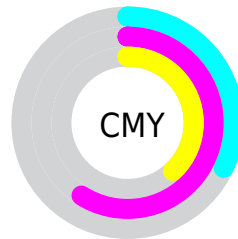
- Red (67%)
- Green (40%)
- Blue (62%)



- Red (67%)
- Yellow (40%)
- Blue (62%)



- Cyan (0%)
- Magenta (40%)
- Yellow (8%)
- Black (32%)





- Cyan (32%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 40.233, 333.226 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 53, 40.233, 333.226 by changing the saturation by 10% instead.


 53, 40.233,
333.226

 53, 40.233,
333.226


 100, 40.233,
333.226


 43, 40.233,
333.226


 73, 40.233,
333.226

 33, 40.233,
333.226

 83, 40.233,
333.226

 23, 40.233,
333.226

 93, 40.233,
333.226

 13, 40.233,
333.226

 3, 40.233, 333.226

 0, 40.233, 333.226

53, 40.233,
333.226

53, 40.233,
333.226

49, 49.485,
333.935

57, 30.391,
332.541

46, 57.759,
334.673

61, 20.278,
331.875

43, 64.606,
335.453

66, 10.118,
331.224

41, 69.610,
336.297

70, 0.061, 326.059

75, 9.798, 150.081


40, 72.506,
337.237

80, 19.404,
149.508

39, 73.663,
338.278

85, 28.732,
148.972

90, 37.774,
148.467

 93, 44.556,
148.364

Harmonies

Complementary

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



53, 40.233, 333.226



65, 40.108, 147.383

Rectangle

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



53, 40.233, 333.226



53, 40.233, 23.226



53, 40.233, 153.226



53, 40.233, 203.226

Sweetspot

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



53, 40.231, 333.226



82, 14.990, 331.365



48, 41.099, 301.501



43, 9.937, 331.445



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



53, 40.231, 333.226



64, 58.969, 333.849



52, 30.402, 0.727



34, 5.724, 331.175



34, 66.769, 338.144



2, 11.404, 333.339

Inverse Universe

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



53, 40.231, 333.226



64, 58.969, 333.849



66, 27.007, 171.896



34, 5.724, 331.175



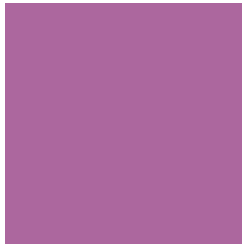
34, 66.769, 338.144



2, 11.404, 333.339

Previews

White Background



This preview shows how the CIELCh color 53, 40.233, 333.226 looks on a white background.

Color Contrast Check

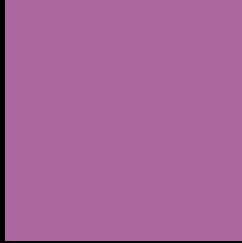
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 53, 40.233, 333.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

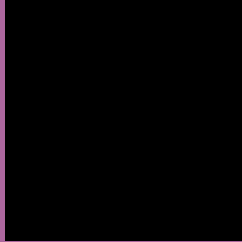
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 40.233, 333.226

Background



This preview shows how black text looks on a background with the CIELCh color 53, 40.233, 333.226.

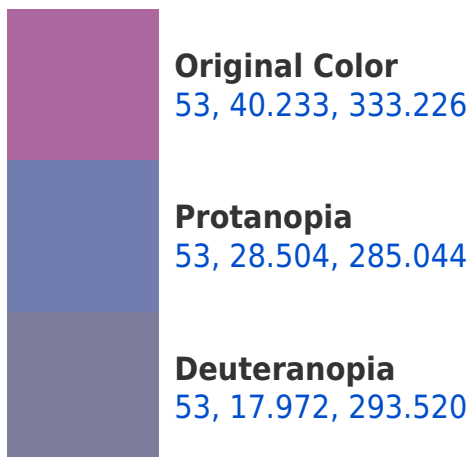


This preview shows how white text looks on a background with the CIELCh color 53, 40.233, 333.226.

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
53, 24.269, 10.296

Trichromacy



Original Color
53, 40.233, 333.226

Protanomaly
53, 30.315, 304.953

Deuteranomaly
53, 25.202, 315.202

Tritanomaly
53, 28.699, 352.054

Monochromacy



Original Color
53, 40.233, 333.226

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 15.159, 331.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 40.233, 333.226 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(172, 103, 158)` looks like.

```
.text, #text, p{  
    color:rgb(172, 103, 158)  
}
```

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(172, 103, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 103, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 40.233, 333.226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

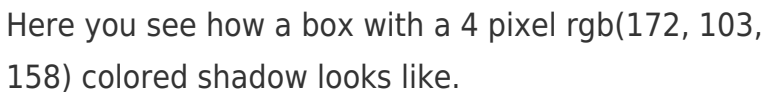
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 103, 158) }
```

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

```
.border{ border-color:rgb(172, 103, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 103, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 103, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 103, 158); box-shadow:4px 4px 4px 4px rgb(172, 103, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 40.233, 333.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 103, 158) }
```

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

```
.background{ background-color: rgb(172,  
103, 158) }
```

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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