

# Converting Colors

CIELCh(53, 40.948, 332.013)

Have a look what the booklet for  
CIELCh(53, 40.948, 332.013)  
contains.

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**Color**

**CIELCh(53, 41.035, 332.138)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC67A0
RGB	172, 103, 160
RGB Percent	67%, 40%, 63%
CMY	0.3250, 0.5957, 0.3721
CMYK	0.00, 0.40, 0.07, 0.33
HSL	310°, 29%, 54%
HSV	310°, 40%, 67%
XYZ	28.2530, 21.0462, 35.8803
YIQ	130.1290, 22.8270, 32.3550

# Conversions

## Conversions Part 2

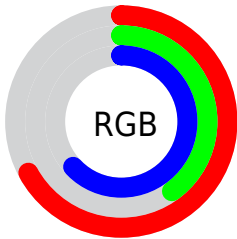
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 103, 160
Decimal	11298720
CIE <sub>Lab</sub>	53.00, 36.28, -19.18
CIE <sub>LCh</sub>	53, 41.035, 332.138
Yxy	21.0462, 0.3317, 0.2471
Android (android.graphics.Color)	4289488800 (0xFFAC67A0)
YUV	130.1290, 14.7264, 36.7209
Hunter-Lab	45.8761, 29.6469, -14.2582

# Details

The CIELCh color **53, 41.035, 332.138** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **65, 40.973, 146.430**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 40.900, 332.288**, and **33, 40.989, 332.246** is the 20% darker color. If you saturate the color by 10%, you get **49, 50.447, 332.802**, and if you desaturate by 10%, it is **57, 31.017, 331.486**.

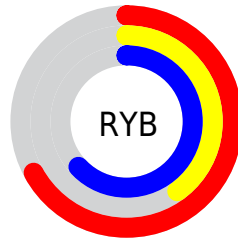
# Distribution



Red (67%)

Green (40%)

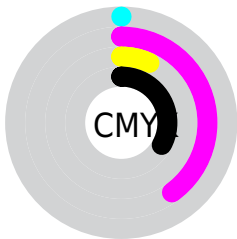
Blue (63%)



Red (67%)

Yellow (40%)

Blue (63%)

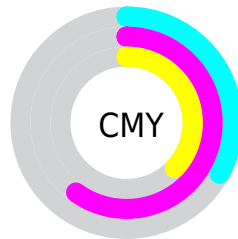


Cyan (0%)

Magenta (40%)

Yellow (7%)

Black (33%)



Cyan (33%)

Magenta (60%)


Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 41.035, 332.138 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, 41.035, 332.138 by changing the saturation by 10% instead.





 53, 41.035,  
332.138


 53, 41.035,  
332.138


 100, 41.035,  
332.138


 43, 41.035,  
332.138


 73, 41.035,  
332.138

 33, 41.035,  
332.138

 83, 41.035,  
332.138

 23, 41.035,  
332.138

 93, 41.035,  
332.138

 13, 41.035,  
332.138

 3, 41.035, 332.138

 0, 41.035, 332.138

53, 41.035,  
332.138

53, 41.035,  
332.138

49, 50.447,  
332.802

57, 31.017,  
331.486

46, 58.863,  
333.480

61, 20.716,  
330.846

43, 65.835,  
334.178

66, 10.359,  
330.215

41, 70.950,  
334.912

70, 0.103, 327.014

40, 73.952,  
335.706


75, 9.956, 149.095

39, 75.211,  
336.561

80, 19.760,  
148.532

85, 29.282,  
148.004

89, 38.512,  
147.506

 93, 45.701,  
147.321

# Harmonies

# Complementary

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



53, 41.035, 332.138



65, 40.973, 146.430

# Rectangle

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



53, 41.035, 332.138



53, 41.035, 22.138



53, 41.035, 152.138



53, 41.035, 202.138

# Sweetspot

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



53, 41.033, 332.138



82, 15.301, 330.349



47, 41.047, 300.472



43, 10.143, 330.427



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, 41.033, 332.138



64, 60.133, 332.719



52, 30.745, 358.367



34, 5.843, 330.165



34, 68.219, 336.454



2, 11.708, 331.958



# Inverse Universe

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



53, 41.033, 332.138



64, 60.133, 332.719



65, 27.714, 169.602



34, 5.843, 330.165



34, 68.219, 336.454

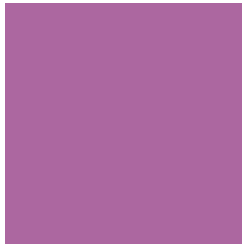


2, 11.708, 331.958



# Previews

## White Background



This preview shows how the CIELCh color 53, 41.035, 332.138 looks on a white background.

## Color Contrast Check

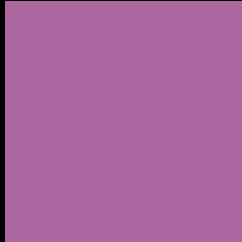
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.035, 332.138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

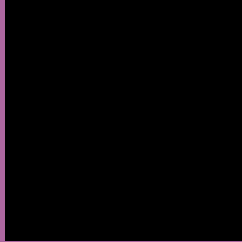
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 41.035, 332.138

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 41.035, 332.138.

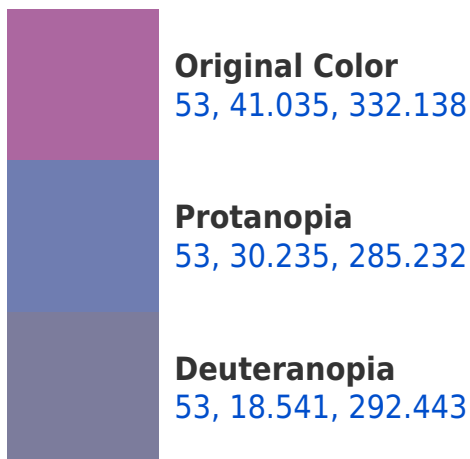


This preview shows how white text looks on a background with the CIELCh color 53, 41.035, 332.138.

# 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, 23.855, 10.019

# Trichromacy



**Original Color**  
53, 41.035, 332.138

**Protanomaly**  
53, 31.941, 303.809

**Deuteranomaly**  
52, 25.601, 313.919

**Tritanomaly**  
53, 28.603, 350.534

# Monochromacy



**Original Color**  
53, 41.035, 332.138

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
53, 15.591, 330.173

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 41.035, 332.138 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(172, 103, 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(172, 103, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 103, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 41.035, 332.138 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, 160) }
```

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

```
.border{ border-color:rgb(172, 103, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 103, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 103, 160); box-shadow:4px 4px 4px 4px rgb(172, 103, 160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 41.035, 332.138 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, 160) }
```

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

```
.background{ background-color: rgb(172,  
103, 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](#).

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