

# Converting Colors

CIELCh(52, 33.877, 340.617)

Have a look what the booklet for  
CIELCh(52, 33.877, 340.617)  
contains.

<b>CIELCh(52, 34.105, 340.353)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(52, 34.105, 340.353)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A86790
RGB	168, 103, 144
RGB Percent	66%, 40%, 56%
CMY	0.3399, 0.5949, 0.4341
CMYK	0.00, 0.39, 0.14, 0.34
HSL	322°, 27%, 53%
HSV	322°, 39%, 66%
XYZ	26.1560, 20.1443, 29.0195
YIQ	127.1090, 25.5790, 26.5310

# Conversions

## Conversions Part 2

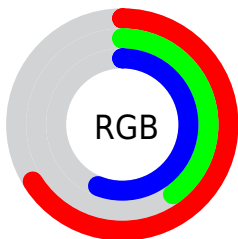
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 103, 144
Decimal	11036560
CIE <sub>Lab</sub>	52.00, 32.12, -11.47
CIE <sub>LCh</sub>	52, 34.105, 340.353
Yxy	20.1443, 0.3473, 0.2675
Android (android.graphics.Color)	4289226640 (0xFFA86790)
YUV	127.1090, 8.3273, 35.8614
Hunter-Lab	44.8824, 25.4798, -6.9172

# Details

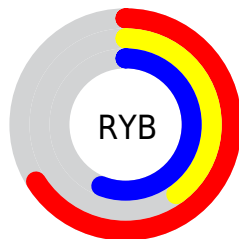
The CIELCh color **52, 34.105, 340.353** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **64, 33.428, 153.809**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 34.241, 340.043**, and **32, 34.015, 339.783** is the 20% darker color. If you saturate the color by 10%, you get **48, 42.432, 341.368**, and if you desaturate by 10%, it is **56, 25.350, 339.439**.

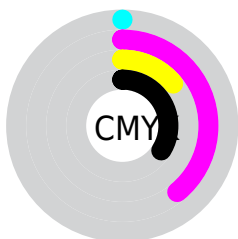
# Distribution



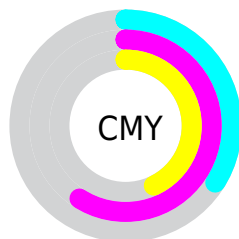
- Red (66%)
- Green (40%)
- Blue (56%)



- Red (66%)
- Yellow (40%)
- Blue (56%)



- Cyan (0%)
- Magenta (39%)
- Yellow (14%)
- Black (34%)




- Cyan (34%)
- Magenta (59%)
- Yellow (43%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 34.105, 340.353 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 52, 34.105, 340.353 by changing the saturation by 10% instead.





 52, 34.105,  
340.353


 52, 34.105,  
340.353


 100, 34.105,  
340.353


 42, 34.105,  
340.353


 72, 34.105,  
340.353

 32, 34.105,  
340.353

 82, 34.105,  
340.353

 22, 34.105,  
340.353

 92, 34.105,  
340.353

 12, 34.105,  
340.353

 2, 34.105, 340.353

 0, 34.105, 340.353

52, 34.105,  
340.353

52, 34.105,  
340.353

48, 42.432,  
341.368

56, 25.350,  
339.439

45, 49.982,  
342.518

60, 16.440,  
338.601

42, 56.331,  
343.855

65, 7.557, 337.811

40, 61.057,  
345.453

70, 1.181, 157.409

74, 9.706, 156.509

38, 63.862,  
347.409


79, 17.983,  
155.873

37, 64.933,  
349.770

84, 25.998,  
155.287

37, 65.057,  
350.102

89, 33.754,  
154.739

 93, 41.259,  
154.227

# Harmonies

# Complementary

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



52, 34.105, 340.353



64, 33.428, 153.809

# Rectangle

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



52, 34.105, 340.353



52, 34.105, 30.353



52, 34.105, 160.353



52, 34.105, 210.353

# Sweetspot

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



52, 34.103, 340.354



81, 13.075, 338.092



48, 39.240, 306.659



42, 8.668, 338.188



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



52, 34.103, 340.354



63, 49.920, 341.178



51, 27.927, 12.926



33, 4.959, 337.862



32, 59.277, 349.786



2, 8.488, 340.912



# Inverse Universe

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



52, 34.103, 340.354



63, 49.920, 341.178



65, 22.935, 185.225



33, 4.959, 337.862



32, 59.277, 349.786

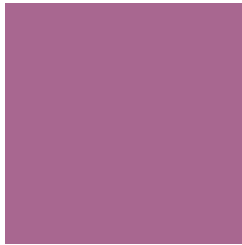


2, 8.488, 340.912



# Previews

## White Background



This preview shows how the CIELCh color 52, 34.105, 340.353 looks on a white background.

## Color Contrast Check

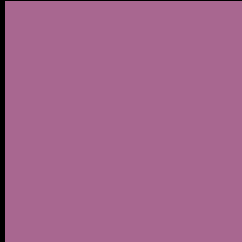
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 34.105, 340.353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

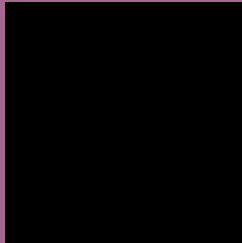
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 52, 34.105, 340.353

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 34.105, 340.353.



This preview shows how white text looks on a background with the CIELCh color 52, 34.105, 340.353.

# 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

52, 34.105, 340.353

### Protanopia

52, 20.398, 285.810

### Deuteranopia

52, 12.069, 306.209





**Tritanopia**  
52, 23.890, 11.439

# Trichromacy



**Original Color**  
52, 34.105, 340.353

**Protanomaly**  
52, 22.749, 310.643

**Deuteranomaly**  
52, 19.086, 326.456

**Tritanomaly**  
52, 26.441, 357.265

# Monochromacy



**Original Color**  
52, 34.105, 340.353

**Achromatopsia**  
53, 0.007, 296.813

**Achromatomaly**  
52, 12.915, 338.703

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 34.105, 340.353 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(168, 103, 144)` looks like.

```
.text, #text, p{  
    color:rgb(168, 103, 144)  
}
```

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(168, 103, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 103, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 34.105, 340.353 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(168, 103, 144) }
```

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

```
.border{ border-color:rgb(168, 103, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 103, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 103, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 103, 144);  
box-shadow:4px 4px 4px 4px rgb(168, 103,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 34.105, 340.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 103, 144) }
```

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

```
.background{ background-color: rgb(168,  
103, 144) }
```

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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