

Converting Colors

CIELCh(34, 33.401, 0.670)

Have a look what the booklet for
CIELCh(34, 33.401, 0.670) contains.

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Color

CIELCh(34, 33.401, 0.670)

Conversions

Conversions Part 1

Format	Color
Hex	7F3850
RGB	127, 56, 80
RGB Percent	50%, 22%, 31%
CMY	0.5000, 0.7786, 0.6846
CMYK	0.00, 0.56, 0.37, 0.50
HSL	340°, 39%, 36%
HSV	340°, 56%, 50%
XYZ	11.7270, 8.0082, 8.6016
YIQ	79.9650, 34.6120, 22.5160

Conversions

Conversions Part 2

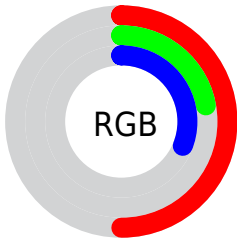
Format	Color
R_{YB}	127, 56, 80
Decimal	8337488
CIE _{Lab}	34.00, 33.40, 0.39
CIE _{LCh}	34, 33.401, 0.670
Yxy	8.0082, 0.4138, 0.2826
Android (android.graphics.Color)	4286527568 (0xFF7F3850)
YUV	79.9650, 0.0173, 41.2497
Hunter-Lab	28.2988, 24.4473, 1.7876

Details

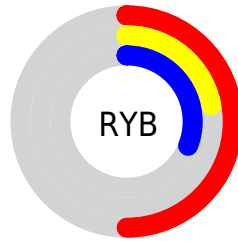
The CIELCh color **34, 33.401, 0.670** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **48, 29.177, 167.453**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 33.206, 0.852**, and **14, 33.696, 0.550** is the 20% darker color. If you saturate the color by 10%, you get **31, 38.810, 2.972**, and if you desaturate by 10%, it is **37, 27.511, 358.809**.

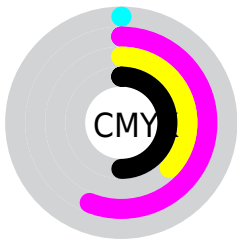
Distribution



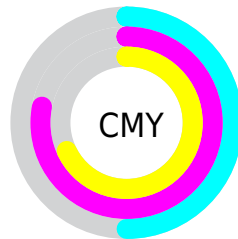
- Red (50%)
- Green (22%)
- Blue (31%)



- Red (50%)
- Yellow (22%)
- Blue (31%)



- Cyan (0%)
- Magenta (56%)
- Yellow (37%)
- Black (50%)



- Cyan (50%)
- Magenta (78%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 33.401, 0.670 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 34, 33.401, 0.670 by changing the saturation by 10% instead.

 34, 33.401, 0.670

 34, 33.401, 0.670

 100, 33.401, 0.670

 24, 33.401, 0.670

 54, 33.401, 0.670

 14, 33.401, 0.670

 64, 33.401, 0.670

 4, 33.401, 0.670

 74, 33.401, 0.670


 0, 33.401, 0.670

 84, 33.401, 0.670

 94, 33.401, 0.670

 34, 33.401, 0.670

 34, 33.401, 0.670

 31, 38.810, 2.972

 37, 27.511,
358.809

 29, 43.478, 5.854

27, 47.193, 9.475

40, 21.393,
357.271

26, 50.010, 13.868

44, 15.237,
355.972

26, 51.256, 15.724

47, 9.173, 354.848

51, 3.281, 353.814

55, 2.398, 173.198

59, 7.847, 172.334

63, 13.066,
171.623

67, 18.062,
170.984

Harmonies

Complementary

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



34, 33.401, 0.670



48, 29.177, 167.453

Rectangle

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



34, 33.401, 0.670



34, 33.401, 50.670



34, 33.401, 180.670



34, 33.401, 230.670

Sweetspot

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



34, 33.399, 0.672



60, 12.327, 355.027



32, 46.667, 316.379



30, 8.331, 355.204



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 33.399, 0.672



41, 48.711, 3.726



36, 30.666, 36.031



25, 3.251, 354.166



26, 51.257, 15.724



0, 0.000, 0.000

Inverse Universe

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



34, 33.399, 0.672



41, 48.711, 3.726



46, 20.140, 216.001



25, 3.251, 354.166



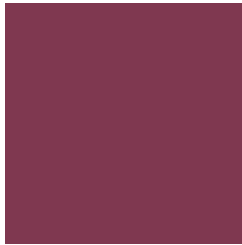
26, 51.257, 15.724



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 34, 33.401, 0.670 looks on a white background.

Color Contrast Check

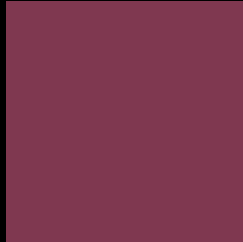
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 33.401, 0.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

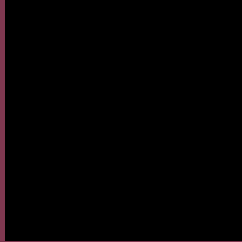
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 33.401, 0.670

Background



This preview shows how black text looks on a background with the CIELCh color 34, 33.401, 0.670.



This preview shows how white text looks on a background with the CIELCh color 34, 33.401, 0.670.

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

34, 33.401, 0.670

Protanopia

34, 9.414, 286.916

Deuteranopia

34, 5.375, 26.782



Tritanopia
34, 30.970, 20.799

Trichromacy



Original Color
34, 33.401, 0.670

Protanomaly
33, 15.898, 333.568

Deuteranomaly
34, 15.927, 4.064

Tritanomaly
34, 31.421, 13.448

Monochromacy



Original Color
34, 33.401, 0.670

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 12.737, 355.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 33.401, 0.670 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(127, 56, 80)` looks like.

```
.text, #text, p{  
    color:rgb(127, 56, 80)  
}
```

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(127, 56, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 56, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 33.401, 0.670 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(127, 56, 80) }
```

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

```
.border{ border-color:rgb(127, 56, 80) }
```

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

Here you see how a box with a 4 pixel rgb(127, 56, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 56, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 56, 80);  
box-shadow:4px 4px 4px 4px rgb(127, 56,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 33.401, 0.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 56, 80) }
```

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

```
.background{ background-color: rgb(127, 56,  
80) }
```

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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