

Converting Colors

CIELCh(35, 38.180, 39.261)

Have a look what the booklet for
CIELCh(35, 38.180, 39.261) contains.

CIELCh(35, 38.328, 39.486)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 38.328, 39.486)

Conversions

Conversions Part 1

Format	Color
Hex	853D2D
RGB	133, 61, 45
RGB Percent	52%, 24%, 18%
CMY	0.4788, 0.7610, 0.8238
CMYK	0.00, 0.54, 0.66, 0.48
HSL	11°, 49%, 35%
HSV	11°, 66%, 52%
XYZ	11.7967, 8.4984, 3.4946
YIQ	80.7040, 48.0480, 10.2880

Conversions

Conversions Part 2

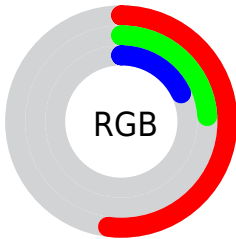
Format	Color
RYB	133, 65, 45
Decimal	8731949
CIELab	35.00, 29.58, 24.37
CIELCh	35, 38.328, 39.486
Yxy	8.4984, 0.4959, 0.3572
Android (android.graphics.Color)	4286922029 (0xFF853D2D)
YUV	80.7040, -17.6021, 45.8636
Hunter-Lab	29.1520, 21.2163, 13.2991

Details

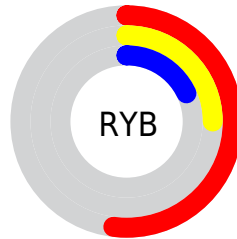
The CIELCh color **35, 38.328, 39.486** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **46, 22.883, 222.238**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 38.416, 39.266**, and **15, 37.774, 38.282** is the 20% darker color. If you saturate the color by 10%, you get **33, 45.397, 40.583**, and if you desaturate by 10%, it is **38, 31.434, 38.609**.

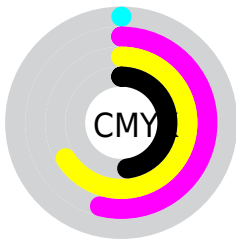
Distribution



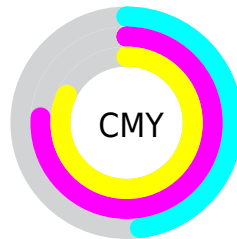
- Red (52%)
- Green (24%)
- Blue (18%)



- Red (52%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (54%)
- Yellow (66%)
- Black (48%)



- Cyan (48%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 38.328, 39.486 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 35, 38.328, 39.486 by changing the saturation by 10% instead.

■ 35, 38.328, 39.486

■ 35, 38.328, 39.486

■ 100, 38.328,
39.486

■ 25, 38.328, 39.486

■ 55, 38.328, 39.486

■ 15, 38.328, 39.486

■ 65, 38.328, 39.486

■ 5, 38.328, 39.486

■ 75, 38.328, 39.486

■ 0, 38.328, 39.486

■ 85, 38.328, 39.486

■ 95, 38.328, 39.486

■ 35, 38.328, 39.486

■ 35, 38.328, 39.486

■ 33, 45.397, 40.583

■ 38, 31.434, 38.609

31, 52.300, 41.734

41, 24.880, 37.972

29, 58.307, 42.540

44, 18.735, 37.556

28, 60.348, 42.890

47, 13.022, 37.323

50, 7.732, 37.228

53, 2.841, 37.181

57, 1.683, 217.695

60, 5.877, 217.720

64, 9.777, 217.937

Harmonies

Complementary

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



35, 38.328, 39.486



46, 22.883, 222.238

Rectangle

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



35, 38.328, 39.486



35, 38.328, 89.486



35, 38.328, 219.486



35, 38.328, 269.486

Sweetspot

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



35, 38.326, 39.489



63, 12.072, 37.255



34, 51.830, 333.501



31, 8.281, 37.279



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



35, 38.326, 39.489



42, 59.084, 41.125



46, 37.019, 82.454



26, 2.613, 37.205



28, 59.242, 42.819



0, 0.606, 37.387

Inverse Universe

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



46, 22.883, 222.238



57, 30.664, 225.172



32, 37.373, 284.278



27, 2.473, 217.663



41, 26.451, 230.448



0, 0.606, 217.406

Previews

White Background



This preview shows how the CIELCh color 35, 38.328, 39.486 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 CIE LCh color 35, 38.328, 39.486 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 35, 38.328, 39.486

Background



This preview shows how black text looks on a background with the CIELCh color 35, 38.328, 39.486.

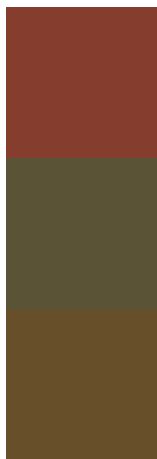


This preview shows how white text looks on a background with the CIELCh color 35, 38.328, 39.486.

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

35, 38.328, 39.486

Protanopia

35, 18.745, 96.620

Deuteranopia

35, 26.279, 79.866



Tritanopia
35, 35.146, 22.205

Trichromacy



Original Color
35, 38.328, 39.486

Protanomaly
35, 22.331, 63.795

Deuteranomaly
35, 28.732, 60.391

Tritanomaly
35, 36.066, 29.551

Monochromacy



Original Color
35, 38.328, 39.486

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 12.795, 37.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 38.328, 39.486 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(133, 61, 45)` looks like.

```
.text, #text, p{  
    color:rgb(133, 61, 45)  
}
```

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(133, 61, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 61, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 38.328, 39.486 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(133, 61, 45) }
```

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

```
.border{ border-color:rgb(133, 61, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 61, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 61, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 61, 45);  
box-shadow:4px 4px 4px 4px rgb(133, 61,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 38.328, 39.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 61, 45) }
```

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

```
.background{ background-color: rgb(133, 61,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor