

Converting Colors

CIELCh(40, 45.415, 34.190)

Have a look what the booklet for
CIELCh(40, 45.415, 34.190) contains.

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Color

CIELCh(40, 45.346, 33.880)

Conversions

Conversions Part 1

Format	Color
Hex	9D4137
RGB	157, 65, 55
RGB Percent	62%, 25%, 22%
CMY	0.3838, 0.7446, 0.7839
CMYK	0.00, 0.59, 0.65, 0.38
HSL	6°, 48%, 42%
HSV	6°, 65%, 62%
XYZ	16.5182, 11.2510, 4.9278
YIQ	91.3680, 58.0420, 16.3940

Conversions

Conversions Part 2

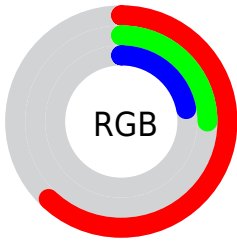
Format	Color
R_{YB}	157, 66, 55
Decimal	10305847
CIE Lab	40.00, 37.65, 25.28
CIE LCh	40, 45.346, 33.880
Yxy	11.2510, 0.5052, 0.3441
Android (android.graphics.Color)	4288495927 (0xFF9D4137)
YUV	91.3680, -17.9294, 57.5593
Hunter-Lab	33.5425, 29.2039, 14.7693

Details

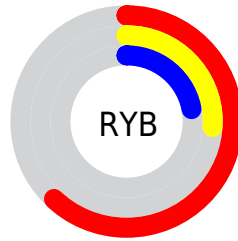
The CIELCh color **40, 45.346, 33.880** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 27.074, 209.436**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 45.371, 33.891**, and **20, 45.465, 33.812** is the 20% darker color. If you saturate the color by 10%, you get **37, 53.571, 35.898**, and if you desaturate by 10%, it is **43, 37.203, 32.237**.

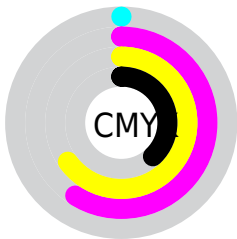
Distribution



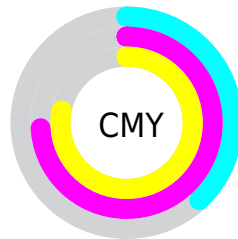
- Red (62%)
- Green (25%)
- Blue (22%)



- Red (62%)
- Yellow (26%)
- Blue (22%)



- Cyan (0%)
- Magenta (59%)
- Yellow (65%)
- Black (38%)



- Cyan (38%)
- Magenta (74%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 45.346, 33.880 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 40, 45.346, 33.880 by changing the saturation by 10% instead.

■ 40, 45.346, 33.880

■ 40, 45.346, 33.880

■ 100, 45.346,
33.880

■ 30, 45.346, 33.880

■ 60, 45.346, 33.880

■ 20, 45.346, 33.880

■ 70, 45.346, 33.880

■ 10, 45.346, 33.880

■ 80, 45.346, 33.880

■ 0, 45.346, 33.880

■ 90, 45.346, 33.880

■ 40, 45.346, 33.880

■ 40, 45.346, 33.880

■ 37, 53.571, 35.898

■ 43, 37.203, 32.237

■ 35, 61.460, 38.118

■ 47, 29.373, 30.965

■ 34, 68.126, 40.032

■ 50, 21.977, 30.014

■ 33, 71.060, 41.107

■ 54, 15.071, 29.320

■ 59, 8.668, 28.815

■ 63, 2.750, 28.373

■ 67, 2.715, 208.505

■ 71, 7.771, 208.274

■ 76, 12.461,
208.198

Harmonies

Complementary

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



40, 45.346, 33.880



56, 27.074, 209.436

Rectangle

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



40, 45.346, 33.880



40, 45.346, 83.880



40, 45.346, 213.880



40, 45.346, 263.880

Sweetspot

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



40, 45.344, 33.883



72, 13.888, 29.020



41, 61.732, 330.314



36, 9.640, 29.156



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 45.344, 33.883



47, 69.484, 36.907



51, 40.119, 75.167



31, 3.223, 28.578



30, 65.735, 40.844



1, 4.093, 27.913

Inverse Universe

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



56, 27.074, 209.436



70, 36.062, 210.745



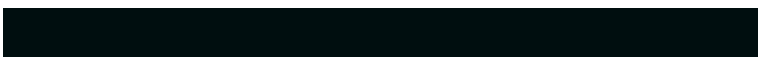
41, 37.082, 277.513



33, 3.040, 208.351



49, 29.070, 213.428



3, 4.007, 210.518

Previews

White Background



This preview shows how the CIELCh color 40, 45.346, 33.880 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 × Fail

Black Background



This preview shows how the CIELCh color 40, 45.346, 33.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

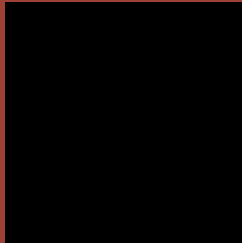
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 45.346, 33.880

Background



This preview shows how black text looks on a background with the CIELCh color 40, 45.346, 33.880.



This preview shows how white text looks on a background with the CIELCh color 40, 45.346, 33.880.

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

40, 45.346, 33.880

Protanopia

40, 17.863, 95.398

Deuteranopia

40, 27.733, 79.998



Tritanopia
40, 43.749, 24.260

Trichromacy



Original Color
40, 45.346, 33.880

Protanomaly
39, 23.560, 55.228

Deuteranomaly
40, 31.153, 56.387

Tritanomaly
40, 44.176, 27.778

Monochromacy



Original Color
40, 45.346, 33.880

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 15.323, 30.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 45.346, 33.880 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(157, 65, 55)` looks like.

```
.text, #text, p{  
    color:rgb(157, 65, 55)  
}
```

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(157, 65, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 65, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 45.346, 33.880 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(157, 65, 55) }
```

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

```
.border{ border-color:rgb(157, 65, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 65, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 65, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 65, 55);  
box-shadow:4px 4px 4px 4px rgb(157, 65,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 45.346, 33.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 65, 55) }
```

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

```
.background{ background-color: rgb(157, 65,  
55) }
```

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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