

Converting Colors

CIELCh(52, 33.486, 99.546)

Have a look what the booklet for
CIELCh(52, 33.486, 99.546) contains.

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Color

CIELCh(52, 33.486, 99.546)

Conversions

Conversions Part 1

Format	Color
Hex	857D42
RGB	133, 125, 66
RGB Percent	52%, 49%, 26%
CMY	0.4773, 0.5087, 0.7401
CMYK	0.00, 0.06, 0.50, 0.48
HSL	53°, 34%, 39%
HSV	53°, 50%, 52%
XYZ	18.0788, 20.1443, 8.1302
YIQ	120.6660, 23.7070, -16.6530

Conversions

Conversions Part 2

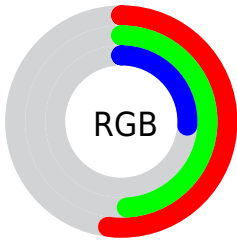
Format	Color
RYB	75, 133, 66
Decimal	8748354
CIELab	52.00, -5.55, 33.02
CIElCh	52, 33.486, 99.546
Yxy	20.1443, 0.3900, 0.4346
Android (android.graphics.Color)	4286938434 (0xFF857D42)
YUV	120.6660, -26.9503, 10.8169
Hunter-Lab	44.8824, -6.6439, 20.6776

Details

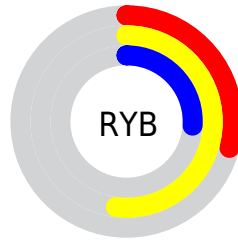
The CIELCh color **52, 33.486, 99.546** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 37.008, 292.417**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 33.541, 98.883**, and **32, 33.375, 99.638** is the 20% darker color. If you saturate the color by 10%, you get **51, 39.591, 98.506**, and if you desaturate by 10%, it is **53, 27.041, 100.611**.

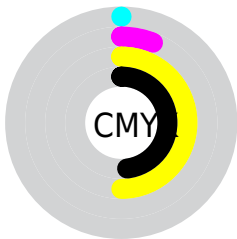
Distribution



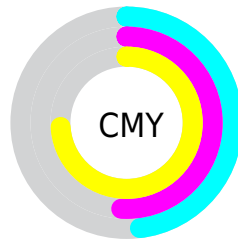
- Red (52%)
- Green (49%)
- Blue (26%)



- Red (29%)
- Yellow (52%)
- Blue (26%)



- Cyan (0%)
- Magenta (6%)
- Yellow (50%)
- Black (48%)



- Cyan (48%)
- Magenta (51%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 33.486, 99.546 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, 33.486, 99.546 by changing the saturation by 10% instead.

■ 52, 33.486, 99.546

■ 52, 33.486, 99.546

■ 100, 33.486,
99.546

■ 42, 33.486, 99.546

■ 72, 33.486, 99.546

■ 32, 33.486, 99.546

■ 82, 33.486, 99.546

■ 22, 33.486, 99.546

■ 92, 33.486, 99.546

■ 12, 33.486, 99.546

■ 2, 33.486, 99.546

■ 0, 33.486, 99.546

■ 52, 33.486, 99.546

■ 52, 33.486, 99.546

■ 51, 39.591, 98.506

■ 53, 27.041,
100.611

■ 51, 45.115, 97.496

■ 50, 49.720, 96.530

■ 50, 53.005, 95.610

■ 49, 55.217, 94.752

■ 53, 20.409,
101.679

■ 54, 13.687,
102.739

■ 55, 6.934, 103.779

■ 56, 0.186, 104.352

■ 56, 6.536, 285.814

■ 57, 13.220,
286.761

■ 58, 19.857,
287.672

■ 59, 26.443,
288.542

Harmonies

Complementary

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



52, 33.486, 99.546



34, 37.008, 292.417

Rectangle

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



52, 33.486, 99.546



52, 33.486, 149.546



52, 33.486, 279.546



52, 33.486, 329.546

Sweetspot

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



52, 33.487, 99.549



69, 12.544, 103.257



37, 30.655, 14.956



36, 8.523, 103.071



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 33.487, 99.549



66, 48.755, 98.397



52, 38.846, 121.783



28, 3.784, 103.898



48, 54.252, 94.773



1, 0.908, 104.838

Inverse Universe

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



34, 37.008, 292.417



38, 55.880, 294.920



34, 42.746, 307.452



26, 3.844, 285.836



15, 74.884, 304.008



0, 0.908, 284.841

Previews

White Background



This preview shows how the CIELCh color 52, 33.486, 99.546 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 CIELCh color 52, 33.486, 99.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

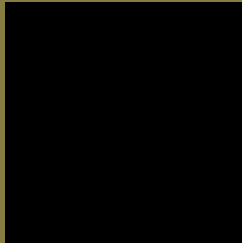
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.486, 99.546

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.486, 99.546.



This preview shows how white text looks on a background with the CIELCh color 52, 33.486, 99.546.

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, 33.486, 99.546

Protanopia

52, 33.374, 95.526

Deuteranopia

52, 33.155, 77.693



Tritanopia
52, 10.250, 346.207

Trichromacy



Original Color
52, 33.486, 99.546

Protanomaly
52, 33.284, 96.312

Deuteranomaly
52, 32.901, 86.257

Tritanomaly
52, 11.087, 70.987

Monochromacy



Original Color
52, 33.486, 99.546

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 12.743, 104.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.486, 99.546 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, 125, 66)` looks like.

```
.text, #text, p{  
    color:rgb(133, 125, 66)  
}
```

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, 125, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.486, 99.546 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, 125, 66) }
```

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

```
.border{ border-color:rgb(133, 125, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 125, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 125, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 125, 66);  
box-shadow:4px 4px 4px 4px rgb(133, 125,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.486, 99.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 125, 66) }
```

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

```
.background{ background-color: rgb(133,  
125, 66) }
```

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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