

Converting Colors

CIELCh(40, 59.186, 33.065)

Have a look what the booklet for
CIELCh(40, 59.186, 33.065) contains.

CIELCh(40, 59.510, 33.208)	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(40, 59.510, 33.208)

Conversions

Conversions Part 1

Format	Color
Hex	AD312C
RGB	173, 49, 44
RGB Percent	68%, 19%, 17%
CMY	0.3218, 0.8080, 0.8276
CMYK	0.00, 0.72, 0.75, 0.32
HSL	2°, 59%, 43%
HSV	2°, 75%, 68%
XYZ	18.7703, 11.2510, 3.5611
YIQ	85.5060, 75.5090, 24.7330

Conversions

Conversions Part 2

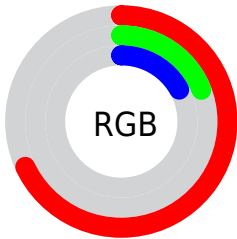
Format	Color
RYB	173, 49, 44
Decimal	11350316
CIELab	40.00, 49.79, 32.59
CIELCh	40, 59.510, 33.208
Yxy	11.2510, 0.5589, 0.3350
Android (android.graphics.Color)	4289540396 (0xFFAD312C)
YUV	85.5060, -20.4625, 76.7322
Hunter-Lab	33.5425, 41.1889, 17.1851

Details

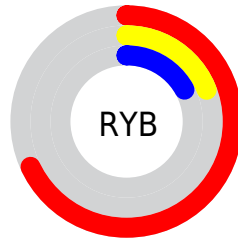
The CIELCh color **40, 59.510, 33.208** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **63, 33.048, 201.628**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 59.595, 33.508**, and **22, 55.167, 37.186** is the 20% darker color. If you saturate the color by 10%, you get **38, 67.789, 36.223**, and if you desaturate by 10%, it is **43, 50.668, 30.507**.

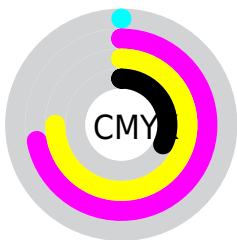
Distribution



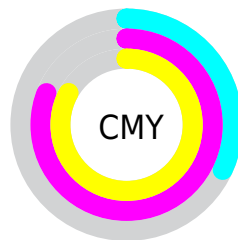
- Red (68%)
- Green (19%)
- Blue (17%)



- Red (68%)
- Yellow (19%)
- Blue (17%)



- Cyan (0%)
- Magenta (72%)
- Yellow (75%)
- Black (32%)



- Cyan (32%)
- Magenta (81%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 59.510, 33.208 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, 59.510, 33.208 by changing the saturation by 10% instead.

■ 40, 59.510, 33.208

■ 40, 59.510, 33.208

■ 100, 59.510,
33.208

■ 30, 59.510, 33.208

■ 60, 59.510, 33.208

■ 20, 59.510, 33.208

■ 70, 59.510, 33.208

■ 10, 59.510, 33.208

■ 80, 59.510, 33.208

■ 0, 59.510, 33.208

■ 90, 59.510, 33.208

■ 40, 59.510, 33.208

■ 40, 59.510, 33.208

■ 38, 67.789, 36.223

■ 43, 50.668, 30.507

■ 36, 74.498, 38.891

■ 46, 41.752, 28.301

36, 77.543, 40.387

50, 33.044, 26.578

54, 24.731, 25.260

59, 16.918, 24.258

64, 9.646, 23.488

68, 2.913, 22.805

73, 3.311, 202.702

78, 9.069, 202.287

Harmonies

Complementary

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



40, 59.510, 33.208



63, 33.048, 201.628

Rectangle

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



40, 59.510, 33.208



40, 59.510, 83.208



40, 59.510, 213.208



40, 59.510, 263.208

Sweetspot

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



40, 59.508, 33.211



76, 18.553, 24.072



44, 75.549, 328.982



39, 12.578, 24.294



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 59.508, 33.211



48, 87.569, 37.928



53, 49.462, 68.988



34, 3.675, 23.140



31, 69.453, 40.038



2, 7.559, 22.122

Inverse Universe

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



63, 33.048, 201.628



79, 42.603, 202.193



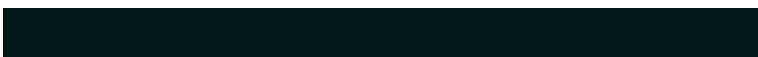
43, 42.602, 276.414



36, 3.466, 202.470



54, 32.097, 202.596



6, 7.378, 204.425

Previews

White Background



This preview shows how the CIELCh color 40, 59.510, 33.208 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, 59.510, 33.208 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, 59.510, 33.208

Background



This preview shows how black text looks on a background with the CIELCh color 40, 59.510, 33.208.



This preview shows how white text looks on a background with the CIELCh color 40, 59.510, 33.208.

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, 59.510, 33.208

Protanopia

40, 22.002, 95.597

Deuteranopia

40, 35.490, 81.699



Tritanopia
40, 58.170, 29.860

Trichromacy



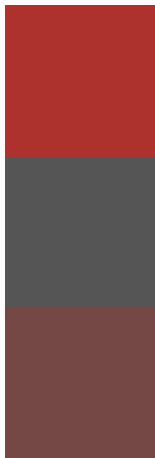
Original Color
40, 59.510, 33.208

Protanomaly
39, 29.885, 50.806

Deuteranomaly
39, 40.414, 54.680

Tritanomaly
40, 58.677, 30.896

Monochromacy



Original Color
40, 59.510, 33.208

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 21.123, 26.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 59.510, 33.208 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(173, 49, 44)` looks like.

```
.text, #text, p{  
    color:rgb(173, 49, 44)  
}
```

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(173, 49, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 49, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 59.510, 33.208 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(173, 49, 44) }
```

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

```
.border{ border-color:rgb(173, 49, 44) }
```

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

Here you see how a box with a 4 pixel rgb(173, 49, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 49, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 49, 44);  
box-shadow:4px 4px 4px 4px rgb(173, 49,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 59.510, 33.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 49, 44) }
```

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

```
.background{ background-color: rgb(173, 49,  
44) }
```

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