

Converting Colors

CIELCh(40, 50.324, 39.750)

Have a look what the booklet for
CIELCh(40, 50.324, 39.750) contains.

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Color

CIELCh(40, 50.210, 39.697)

Conversions

Conversions Part 1

Format	Color
Hex	A0402C
RGB	160, 64, 44
RGB Percent	63%, 25%, 17%
CMY	0.3739, 0.7502, 0.8285
CMYK	0.00, 0.60, 0.73, 0.37
HSL	10°, 57%, 40%
HSV	10°, 73%, 63%
XYZ	16.6940, 11.2510, 3.6490
YIQ	90.4240, 63.6360, 14.1320

Conversions

Conversions Part 2

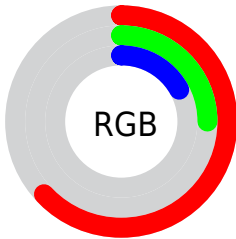
Format	Color
RYB	160, 68, 44
Decimal	10502188
CIELab	40.00, 38.63, 32.07
CIELCh	40, 50.210, 39.697
Yxy	11.2510, 0.5284, 0.3561
Android (android.graphics.Color)	4288692268 (0xFFA0402C)
YUV	90.4240, -22.8870, 61.0182
Hunter-Lab	33.5425, 30.1397, 17.0298

Details

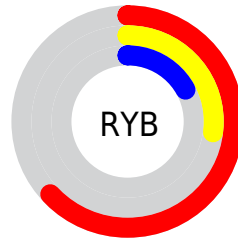
The CIELCh color **40, 50.210, 39.697** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **54, 27.792, 222.013**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 50.183, 39.321**, and **20, 49.224, 38.382** is the 20% darker color. If you saturate the color by 10%, you get **38, 58.341, 40.996**, and if you desaturate by 10%, it is **43, 41.993, 38.536**.

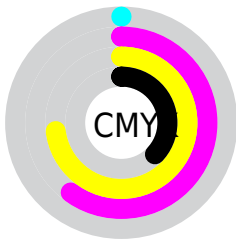
Distribution



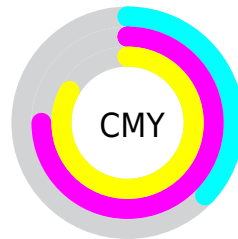
- Red (63%)
- Green (25%)
- Blue (17%)



- Red (63%)
- Yellow (27%)
- Blue (17%)



- Cyan (0%)
- Magenta (60%)
- Yellow (73%)
- Black (37%)



- Cyan (37%)
- Magenta (75%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 50.210, 39.697 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, 50.210, 39.697 by changing the saturation by 10% instead.

■ 40, 50.210, 39.697

■ 40, 50.210, 39.697

■ 100, 50.210,
39.697

■ 30, 50.210, 39.697

■ 60, 50.210, 39.697

■ 20, 50.210, 39.697

■ 70, 50.210, 39.697

■ 10, 50.210, 39.697

■ 80, 50.210, 39.697

■ 0, 50.210, 39.697

■ 90, 50.210, 39.697

■ 40, 50.210, 39.697

■ 40, 50.210, 39.697

■ 38, 58.341, 40.996

■ 43, 41.993, 38.536

■ 36, 65.633, 42.043

■ 46, 34.043, 37.624

34, 70.365, 42.878

49, 26.518, 36.972

53, 19.487, 36.548

57, 12.965, 36.306

61, 6.939, 36.194

65, 1.376, 35.956

69, 3.766, 216.535

73, 8.530, 216.648

Harmonies

Complementary

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



40, 50.210, 39.697



54, 27.792, 222.013

Rectangle

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



40, 50.210, 39.697



40, 50.210, 89.697



40, 50.210, 219.697



40, 50.210, 269.697

Sweetspot

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



40, 50.208, 39.700



72, 15.552, 36.303



40, 63.763, 334.011



37, 10.643, 36.349



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



40, 50.208, 39.700



47, 76.167, 41.698



53, 46.842, 81.300



31, 3.047, 36.168



31, 64.296, 42.760



1, 3.876, 35.317

Inverse Universe

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



54, 27.792, 222.013



66, 36.231, 225.733



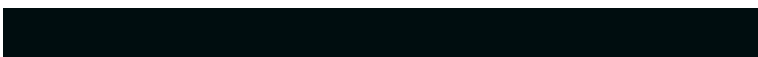
36, 48.009, 286.670



33, 2.877, 216.546



46, 28.279, 228.741



3, 3.786, 219.761

Previews

White Background



This preview shows how the CIELCh color 40, 50.210, 39.697 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 CIE LCh color 40, 50.210, 39.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

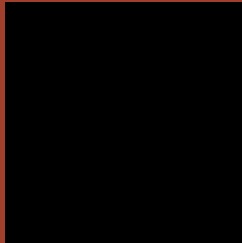
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 50.210, 39.697

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.210, 39.697.



This preview shows how white text looks on a background with the CIELCh color 40, 50.210, 39.697.

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, 50.210, 39.697

Protanopia

40, 24.839, 96.322

Deuteranopia

40, 34.084, 80.919



Tritanopia
40, 46.080, 24.973

Trichromacy



Original Color
40, 50.210, 39.697

Protanomaly
39, 29.281, 64.260

Deuteranomaly
39, 37.221, 60.301

Tritanomaly
40, 47.487, 30.931

Monochromacy



Original Color
40, 50.210, 39.697

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 16.943, 36.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.210, 39.697 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(160, 64, 44)` looks like.

```
.text, #text, p{  
    color:rgb(160, 64, 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(160, 64, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 64, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.210, 39.697 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(160, 64, 44) }
```

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

```
.border{ border-color:rgb(160, 64, 44) }
```

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

Here you see how a box with a 4 pixel rgb(160, 64, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 64, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 64, 44);  
box-shadow:4px 4px 4px 4px rgb(160, 64,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.210, 39.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 64, 44) }
```

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

```
.background{ background-color: rgb(160, 64,  
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](#).

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