

Converting Colors

CIELCh(40, 45.556, 41.266)

Have a look what the booklet for
CIELCh(40, 45.556, 41.266) contains.

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Color

CIELCh(40, 45.599, 40.918)

Conversions

Conversions Part 1

Format	Color
Hex	9A442F
RGB	154, 68, 47
RGB Percent	60%, 27%, 18%
CMY	0.3953, 0.7326, 0.8151
CMYK	0.00, 0.56, 0.69, 0.40
HSL	12°, 53%, 39%
HSV	12°, 69%, 60%
XYZ	15.9581, 11.2510, 4.0361
YIQ	91.3200, 57.9970, 11.7010

Conversions

Conversions Part 2

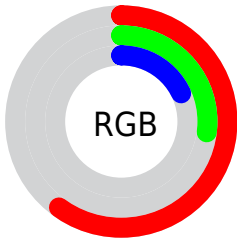
Format	Color
RYB	154, 73, 47
Decimal	10109999
CIELab	40.00, 34.46, 29.87
CIELCh	40, 45.599, 40.918
Yxy	11.2510, 0.5107, 0.3601
Android (android.graphics.Color)	4288300079 (0xFF9A442F)
YUV	91.3200, -21.8498, 54.9704
Hunter-Lab	33.5425, 26.2236, 16.3455

Details

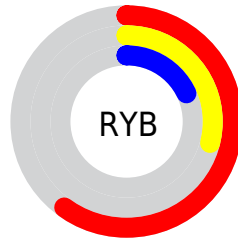
The CIELCh color **40, 45.599, 40.918** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **52, 26.293, 225.398**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 45.441, 41.037**, and **20, 45.556, 41.266** is the 20% darker color. If you saturate the color by 10%, you get **37, 53.533, 41.921**, and if you desaturate by 10%, it is **43, 37.749, 40.073**.

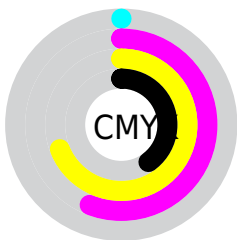
Distribution



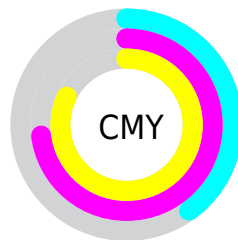
- Red (60%)
- Green (27%)
- Blue (18%)



- Red (60%)
- Yellow (29%)
- Blue (18%)



- Cyan (0%)
- Magenta (56%)
- Yellow (69%)
- Black (40%)



- Cyan (40%)
- Magenta (73%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 45.599, 40.918 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, 45.599, 40.918 by changing the saturation by 10% instead.

■ 40, 45.599, 40.918

■ 40, 45.599, 40.918

■ 100, 45.599,
40.918

■ 30, 45.599, 40.918

■ 60, 45.599, 40.918

■ 20, 45.599, 40.918

■ 70, 45.599, 40.918

■ 10, 45.599, 40.918

■ 80, 45.599, 40.918

■ 0, 45.599, 40.918

■ 90, 45.599, 40.918

■ 40, 45.599, 40.918

■ 40, 45.599, 40.918

■ 37, 53.533, 41.921

■ 43, 37.749, 40.073

■ 35, 61.002, 42.812

■ 46, 30.240, 39.450

34, 67.453, 43.552

49, 23.180, 39.050

34, 67.820, 43.625

53, 16.609, 38.840

56, 10.525, 38.780

60, 4.903, 38.810

64, 0.292, 220.610

68, 5.102, 219.404

72, 9.568, 219.656

Harmonies

Complementary

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



40, 45.599, 40.918



52, 26.293, 225.398

Rectangle

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



40, 45.599, 40.918



40, 45.599, 90.918



40, 45.599, 220.918



40, 45.599, 270.918

Sweetspot

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



40, 45.597, 40.921



71, 14.265, 38.782



39, 59.608, 334.488



37, 9.834, 38.792



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, 45.597, 40.921



48, 70.162, 42.431



53, 44.076, 83.229



30, 2.920, 38.810



30, 62.783, 43.533



1, 3.059, 38.673

Inverse Universe

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



52, 26.293, 225.398



64, 35.026, 229.168



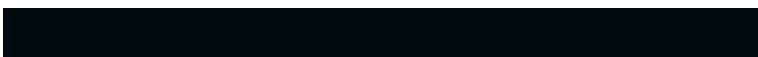
36, 45.581, 286.715



31, 2.762, 219.395



44, 28.062, 233.836



2, 3.032, 220.640

Previews

White Background



This preview shows how the CIELCh color 40, 45.599, 40.918 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, 45.599, 40.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

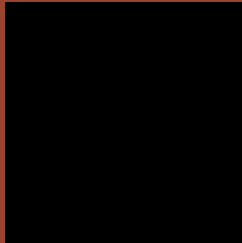
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 45.599, 40.918

Background



This preview shows how black text looks on a background with the CIELCh color 40, 45.599, 40.918.



This preview shows how white text looks on a background with the CIELCh color 40, 45.599, 40.918.

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, 45.599, 40.918

Protanopia

40, 23.710, 96.067

Deuteranopia

40, 32.104, 79.822



Tritanopia
40, 41.251, 22.733

Trichromacy



Original Color
40, 45.599, 40.918

Protanomaly
39, 27.192, 65.045

Deuteranomaly
40, 34.628, 61.303

Tritanomaly
40, 42.410, 29.569

Monochromacy



Original Color
40, 45.599, 40.918

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 15.439, 37.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 45.599, 40.918 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(154, 68, 47)` looks like.

```
.text, #text, p{  
    color:rgb(154, 68, 47)  
}
```

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(154, 68, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 68, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 45.599, 40.918 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(154, 68, 47) }
```

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

```
.border{ border-color:rgb(154, 68, 47) }
```

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

Here you see how a box with a 4 pixel rgb(154, 68, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 68, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 68, 47);  
box-shadow:4px 4px 4px 4px rgb(154, 68,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 45.599, 40.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 68, 47) }
```

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

```
.background{ background-color: rgb(154, 68,  
47) }
```

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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