

Converting Colors

CIELCh(41, 47.461, 47.492)

Have a look what the booklet for
CIELCh(41, 47.461, 47.492) contains.

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Color

CIELCh(41, 47.390, 47.768)

Conversions

Conversions Part 1

Format	Color
Hex	9B4928
RGB	155, 73, 40
RGB Percent	61%, 29%, 16%
CMY	0.3926, 0.7140, 0.8434
CMYK	0.00, 0.53, 0.74, 0.39
HSL	17°, 59%, 38%
HSV	17°, 74%, 61%
XYZ	16.2560, 11.8645, 3.4336
YIQ	93.7560, 59.4650, 7.1210

Conversions

Conversions Part 2

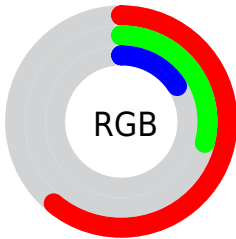
Format	Color
R_{YB}	155, 86, 40
Decimal	10176808
CIE Lab	41.00, 31.85, 35.09
CIE LCh	41, 47.390, 47.768
Yxy	11.8645, 0.5152, 0.3760
Android (android.graphics.Color)	4288366888 (0xFF9B4928)
YUV	93.7560, -26.5017, 53.7110
Hunter-Lab	34.4449, 23.9632, 18.2012

Details

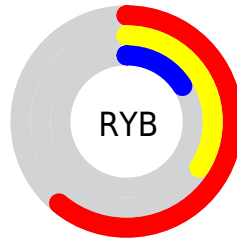
The CIELCh color **41, 47.390, 47.768** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 28.042, 242.261**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 47.324, 47.420**, and **21, 44.928, 44.177** is the 20% darker color. If you saturate the color by 10%, you get **39, 54.894, 47.743**, and if you desaturate by 10%, it is **44, 39.777, 47.730**.

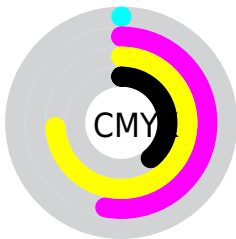
Distribution



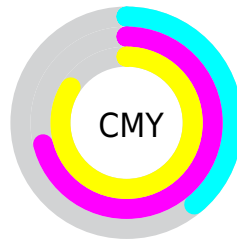
- Red (61%)
- Green (29%)
- Blue (16%)



- Red (61%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (53%)
- Yellow (74%)
- Black (39%)



- Cyan (39%)
- Magenta (71%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 47.390, 47.768 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 41, 47.390, 47.768 by changing the saturation by 10% instead.

■ 41, 47.390, 47.768

■ 41, 47.390, 47.768

■ 100, 47.390,
47.768

■ 31, 47.390, 47.768

■ 61, 47.390, 47.768

■ 21, 47.390, 47.768

■ 71, 47.390, 47.768

■ 11, 47.390, 47.768

■ 81, 47.390, 47.768

■ 1, 47.390, 47.768

■ 91, 47.390, 47.768

■ 0, 47.390, 47.768

■ 41, 47.390, 47.768

■ 41, 47.390, 47.768

■ 39, 54.894, 47.743

■ 44, 39.777, 47.730

■ 37, 61.540, 47.285

■ 46, 32.416, 47.770

36, 65.275, 47.261

49, 25.458, 47.934

53, 18.953, 48.224

56, 12.907, 48.617

59, 7.296, 49.084

63, 2.087, 49.497

66, 2.759, 230.458

69, 7.281, 230.998

Harmonies

Complementary

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



41, 47.390, 47.768



48, 28.042, 242.261

Rectangle

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



41, 47.390, 47.768



41, 47.390, 97.768



41, 47.390, 227.768



41, 47.390, 277.768

Sweetspot

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



41, 47.388, 47.771



72, 14.419, 48.697



38, 58.433, 339.736



37, 9.859, 48.587



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



41, 47.388, 47.771



49, 72.154, 47.525



55, 49.635, 90.374



31, 2.816, 49.324



32, 60.347, 47.409



1, 2.955, 49.348

Inverse Universe

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



48, 28.042, 242.261



58, 38.043, 248.729



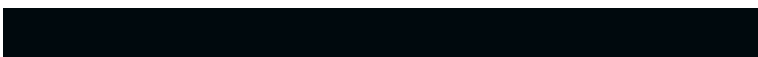
31, 56.888, 294.065



31, 2.680, 230.664



40, 30.488, 252.431



2, 2.948, 231.440

Previews

White Background



This preview shows how the CIELCh color 41, 47.390, 47.768 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 41, 47.390, 47.768 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 41, 47.390, 47.768

Background



This preview shows how black text looks on a background with the CIELCh color 41, 47.390, 47.768.



This preview shows how white text looks on a background with the CIELCh color 41, 47.390, 47.768.

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

41, 47.390, 47.768

Protanopia

41, 29.904, 95.319

Deuteranopia

41, 37.052, 81.776



Tritanopia
41, 39.647, 22.034

Trichromacy



Original Color
41, 47.390, 47.768

Protanomaly
40, 32.757, 71.665

Deuteranomaly
41, 38.821, 66.963

Tritanomaly
41, 41.627, 32.211

Monochromacy



Original Color
41, 47.390, 47.768

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 15.890, 48.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 47.390, 47.768 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(155, 73, 40)` looks like.

```
.text, #text, p{  
    color:rgb(155, 73, 40)  
}
```

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(155, 73, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 73, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 47.390, 47.768 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(155, 73, 40) }
```

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

```
.border{ border-color:rgb(155, 73, 40) }
```

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

Here you see how a box with a 4 pixel rgb(155, 73, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 73, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 73, 40);  
box-shadow:4px 4px 4px 4px rgb(155, 73,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 47.390, 47.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 73, 40) }
```

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

```
.background{ background-color: rgb(155, 73,  
40) }
```

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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