

Converting Colors

CIELCh(40, 73.844, 83.634)

Have a look what the booklet for
CIELCh(40, 73.844, 83.634) contains.

CIELCh(40, 49.201, 79.533)	3
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Color

CIELCh(40, 49.201, 79.533)

Conversions

Conversions Part 1

Format	Color
Hex	7D5700
RGB	125, 87, 0
RGB Percent	49%, 34%, 0%
CMY	0.5088, 0.6574, 1.0000
CMYK	0.00, 0.30, 1.00, 0.51
HSL	42°, 100%, 25%
HSV	42°, 100%, 49%
XYZ	11.9262, 11.2510, 1.5212
YIQ	88.4440, 50.5750, -19.0010

Conversions

Conversions Part 2

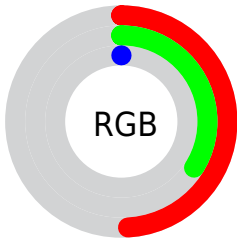
Format	Color
RYB	55, 125, 0
Decimal	8214272
CIELab	40.00, 8.94, 48.38
CIElCh	40, 49.201, 79.533
Yxy	11.2510, 0.4829, 0.4555
Android (android.graphics.Color)	4286404352 (0xFF7D5700)
YUV	88.4440, -43.6029, 32.0596
Hunter-Lab	33.5425, 4.7674, 20.7909

Details

The CIELCh color **40, 49.201, 79.533** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **19, 58.517, 297.053**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.894, 79.520**, and **20, 30.489, 71.073** is the 20% darker color. If you saturate the color by 10%, you get **40, 48.982, 79.468**, and if you desaturate by 10%, it is **41, 46.041, 81.267**.

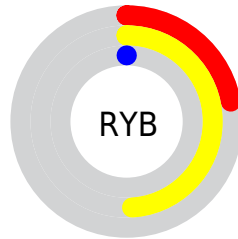
Distribution



Red (49%)

Green (34%)

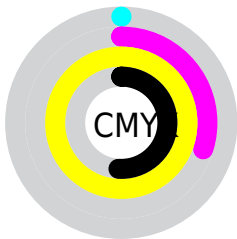
Blue (0%)



Red (22%)

Yellow (49%)

Blue (0%)

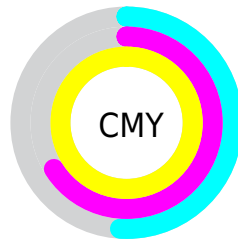


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 49.201, 79.533 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, 49.201, 79.533 by changing the saturation by 10% instead.

40, 49.201, 79.533

40, 49.201, 79.533

100, 49.201,
79.533

30, 49.201, 79.533

60, 49.201, 79.533

20, 49.201, 79.533

70, 49.201, 79.533

10, 49.201, 79.533

80, 49.201, 79.533

0, 49.201, 79.533

90, 49.201, 79.533

40, 49.201, 79.533

40, 49.201, 79.533

40, 48.982, 79.468

41, 46.041, 81.267

42, 42.418, 82.983

■ 43, 37.809, 84.507

■ 45, 32.643, 85.925

■ 46, 27.210, 87.283

■ 47, 21.682, 88.598

■ 48, 16.158, 89.878

■ 50, 10.687, 91.120

■ 51, 5.296, 92.315

Harmonies

Complementary

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



40, 49.201, 79.533



19, 58.517, 297.053

Rectangle

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



40, 49.201, 79.533



40, 49.201, 129.533



40, 49.201, 259.533



40, 49.201, 309.533

Sweetspot

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



40, 48.982, 79.468



62, 20.074, 89.787



25, 50.933, 17.528



31, 13.659, 89.350



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 48.982, 79.468



52, 59.325, 78.811



49, 58.431, 113.450



26, 3.026, 92.417



41, 49.611, 79.419



0, 0.000, 0.000

Inverse Universe

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



19, 58.517, 297.053



26, 72.743, 297.905



14, 77.738, 307.343



25, 3.035, 274.659



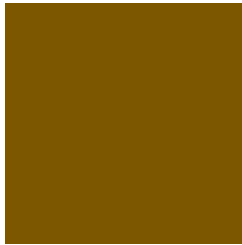
20, 59.385, 297.118



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 49.201, 79.533 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, 49.201, 79.533 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, 49.201, 79.533

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.201, 79.533.



This preview shows how white text looks on a background with the CIELCh color 40, 49.201, 79.533.

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, 48.900, 79.337

Protanopia

40, 45.298, 95.480

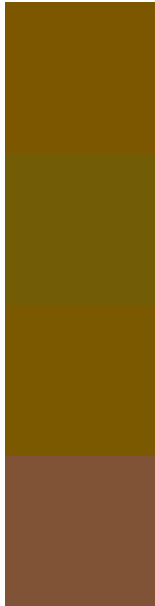
Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 21.527, 13.191

Trichromacy



Original Color
40, 48.900, 79.337

Protanomaly
40, 46.113, 88.992

Deuteranomaly
40, 48.424, 82.406

Tritanomaly
40, 28.595, 57.003

Monochromacy



Original Color
40, 48.900, 79.337

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 20.094, 87.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.201, 79.533 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(125, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 87, 0)  
}
```

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(125, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 87, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.201, 79.533 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(125, 87, 0) }
```

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

```
.border{ border-color:rgb(125, 87, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 87, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.201, 79.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 87, 0) }
```

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

```
.background{ background-color: rgb(125, 87,  
0) }
```

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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