

Converting Colors

CIELCh(40, 72.599, 76.250)

Have a look what the booklet for
CIELCh(40, 72.599, 76.250) contains.

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Color

CIELCh(40, 52.424, 69.734)

Conversions

Conversions Part 1

Format	Color
Hex	895100
RGB	137, 81, 0
RGB Percent	54%, 32%, 0%
CMY	0.4623, 0.6813, 1.0000
CMYK	0.00, 0.41, 1.00, 0.46
HSL	36°, 100%, 27%
HSV	36°, 100%, 54%
XYZ	13.2932, 11.2510, 1.4470
YIQ	88.5100, 59.3770, -13.3190

Conversions

Conversions Part 2

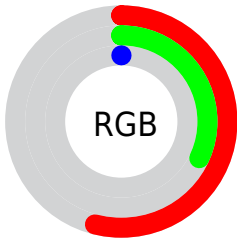
Format	Color
RYB	95, 137, 0
Decimal	8999168
CIELab	40.00, 18.16, 49.18
CIELCh	40, 52.424, 69.734
Yxy	11.2510, 0.5115, 0.4329
Android (android.graphics.Color)	4287189248 (0xFF895100)
YUV	88.5100, -43.6354, 42.5257
Hunter-Lab	33.5425, 12.0421, 20.9220

Details

The CIELCh color **40, 52.424, 69.734** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **26, 52.991, 290.855**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 52.128, 69.990**, and **20, 34.814, 57.481** is the 20% darker color. If you saturate the color by 10%, you get **40, 52.189, 69.622**, and if you desaturate by 10%, it is **41, 48.532, 71.754**.

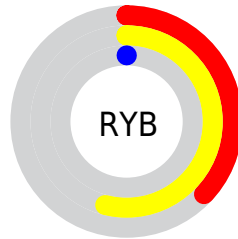
Distribution



Red (54%)

Green (32%)

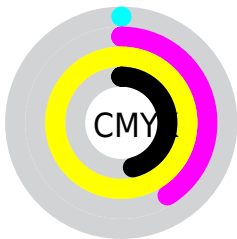
Blue (0%)



Red (37%)

Yellow (54%)

Blue (0%)

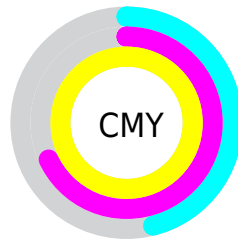


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 52.424, 69.734 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, 52.424, 69.734 by changing the saturation by 10% instead.

■ 40, 52.424, 69.734

■ 40, 52.424, 69.734

■ 100, 52.424,
69.734

■ 30, 52.424, 69.734

■ 60, 52.424, 69.734

■ 20, 52.424, 69.734

■ 70, 52.424, 69.734

■ 10, 52.424, 69.734

■ 80, 52.424, 69.734

■ 0, 52.424, 69.734

■ 90, 52.424, 69.734

■ 40, 52.424, 69.734

■ 40, 52.424, 69.734

■ 40, 52.189, 69.622

■ 41, 48.532, 71.754

■ 43, 44.137, 73.716

■ 45, 38.855, 75.368

■ 46, 33.168, 76.860

■ 48, 27.368, 78.270

■ 50, 21.610, 79.631

■ 51, 15.972, 80.956

■ 53, 10.486, 82.245

■ 55, 5.161, 83.484

Harmonies

Complementary

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



40, 52.424, 69.734



26, 52.991, 290.855

Rectangle

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



40, 52.424, 69.734



40, 52.424, 119.734



40, 52.424, 249.734



40, 52.424, 299.734

Sweetspot

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



40, 52.189, 69.622



66, 19.830, 80.870



28, 53.267, 8.692



33, 13.550, 80.391



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 52.189, 69.622



52, 63.425, 68.815



54, 61.396, 107.842



28, 2.918, 83.585



39, 50.928, 69.738



1, 1.341, 84.745

Inverse Universe

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



26, 52.991, 290.855



34, 65.825, 291.795



15, 83.886, 306.641



27, 2.895, 265.974



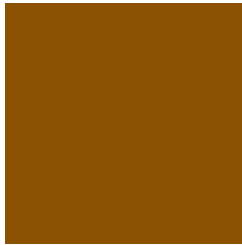
25, 51.547, 290.717



1, 1.341, 264.755

Previews

White Background



This preview shows how the CIELCh color 40, 52.424, 69.734 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, 52.424, 69.734 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, 52.424, 69.734

Background



This preview shows how black text looks on a background with the CIELCh color 40, 52.424, 69.734.



This preview shows how white text looks on a background with the CIELCh color 40, 52.424, 69.734.

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, 52.168, 69.491

Protanopia

40, 44.784, 95.473

Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 28.964, 18.261

Trichromacy



Original Color
40, 52.168, 69.491

Protanomaly
40, 46.122, 85.037

Deuteranomaly
40, 49.134, 78.813

Tritanomaly
40, 35.042, 48.772

Monochromacy



Original Color
40, 52.168, 69.491

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 20.345, 78.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 52.424, 69.734 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(137, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 81, 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(137, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 81, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 52.424, 69.734 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(137, 81, 0) }
```

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

```
.border{ border-color:rgb(137, 81, 0) }
```

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

Here you see how a box with a 4 pixel rgb(137, 81, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 52.424, 69.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 81, 0) }
```

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

```
.background{ background-color: rgb(137, 81,  
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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