

Converting Colors

CIELCh(40, 47.889, 98.670)

Have a look what the booklet for
CIELCh(40, 47.889, 98.670) contains.

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Color

CIELCh(40, 47.527, 98.588)

Conversions

Conversions Part 1

Format	Color
Hex	676000
RGB	103, 96, 0
RGB Percent	40%, 38%, 0%
CMY	0.5960, 0.6235, 0.9999
CMYK	0.00, 0.07, 1.00, 0.60
HSL	56°, 100%, 20%
HSV	56°, 100%, 40%
XYZ	9.7779, 11.2510, 1.6565
YIQ	87.1490, 34.9880, -28.3720

Conversions

Conversions Part 2

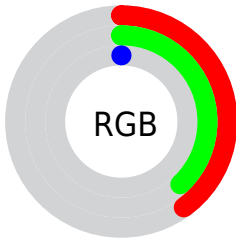
Format	Color
R_YB	8, 103, 0
Decimal	6774784
CIE Lab	40.00, -7.10, 46.99
CIE LCh	40, 47.527, 98.588
Yxy	11.2510, 0.4310, 0.4960
Android (android.graphics.Color)	4284964864 (0xFF676000)
YUV	87.1490, -42.9645, 13.9013
Hunter-Lab	33.5425, -6.6651, 20.5516

Details

The CIELCh color **40, 47.527, 98.588** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 64.906, 304.680**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 47.316, 98.624**, and **20, 28.827, 101.487** is the 20% darker color. If you saturate the color by 10%, you get **40, 47.530, 98.589**, and if you desaturate by 10%, it is **40, 45.013, 99.222**.

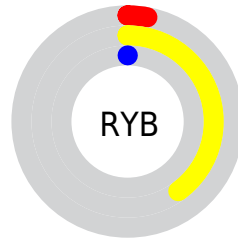
Distribution



Red (40%)

Green (38%)

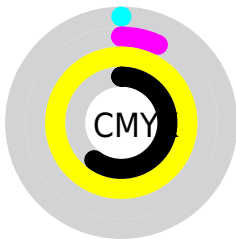
Blue (0%)



Red (3%)

Yellow (40%)

Blue (0%)

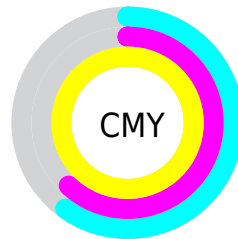


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (60%)



Cyan (60%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 47.527, 98.588 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, 47.527, 98.588 by changing the saturation by 10% instead.

■ 40, 47.527, 98.588

■ 40, 47.527, 98.588

■ 100, 47.527,
98.588

■ 30, 47.527, 98.588

■ 60, 47.527, 98.588

■ 20, 47.527, 98.588

■ 70, 47.527, 98.588

■ 10, 47.527, 98.588

■ 80, 47.527, 98.588

■ 0, 47.527, 98.588

■ 90, 47.527, 98.588

■ 40, 47.527, 98.588

■ 40, 47.527, 98.588

■ 40, 47.530, 98.589

■ 40, 45.013, 99.222

■ 41, 42.035, 99.912

■ 41, 38.063,
100.698

■ 41, 33.381,
101.563

■ 41, 28.233,
102.483

■ 42, 22.796,
103.438

■ 42, 17.189,
104.410

■ 43, 11.489,
105.385

■ 43, 5.744, 106.348

Harmonies

Complementary

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



40, 47.527, 98.588



10, 64.906, 304.680

Rectangle

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



40, 47.527, 98.588



40, 47.527, 148.588



40, 47.527, 278.588



40, 47.527, 328.588

Sweetspot

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



40, 47.527, 98.590



55, 21.485, 104.323



20, 49.178, 32.730



28, 14.752, 104.021



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 47.527, 98.590



52, 57.639, 98.456



39, 54.132, 124.122



21, 3.202, 106.450



44, 51.280, 98.533



89, 88.688, 98.253

Inverse Universe

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



10, 64.906, 304.680



15, 80.011, 305.106



13, 64.831, 310.771



19, 3.258, 288.212



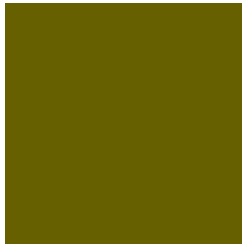
12, 70.522, 304.863



31, 125.833, 305.663

Previews

White Background



This preview shows how the CIELCh color 40, 47.527, 98.588 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, 47.527, 98.588 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, 47.527, 98.588

Background



This preview shows how black text looks on a background with the CIELCh color 40, 47.527, 98.588.



This preview shows how white text looks on a background with the CIELCh color 40, 47.527, 98.588.

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, 47.527, 98.588

Protanopia

40, 47.468, 95.490

Deuteranopia

40, 44.440, 83.988



Tritanopia
40, 9.509, 354.265

Trichromacy



Original Color
40, 47.527, 98.588

Protanomaly
40, 47.399, 96.099

Deuteranomaly
40, 45.172, 89.499

Tritanomaly
40, 20.120, 86.421

Monochromacy



Original Color
40, 47.527, 98.588

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.189, 102.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 47.527, 98.588 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(103, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 96, 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(103, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 96, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 47.527, 98.588 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(103, 96, 0) }
```

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

```
.border{ border-color:rgb(103, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(103, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 47.527, 98.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 96, 0) }
```

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

```
.background{ background-color: rgb(103, 96,  
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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