

Converting Colors

CIELCh(40, 12.394, 301.986)

Have a look what the booklet for
CIELCh(40, 12.394, 301.986)
contains.

CIELCh(40, 12.491, 302.866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 12.491, 302.866)

Conversions

Conversions Part 1

Format	Color
Hex	615B6F
RGB	97, 91, 111
RGB Percent	38%, 36%, 44%
CMY	0.6183, 0.6419, 0.5634
CMYK	0.13, 0.18, 0.00, 0.56
HSL	258°, 10%, 40%
HSV	258°, 18%, 44%
XYZ	11.6202, 11.2510, 16.6936
YIQ	95.0740, -2.8440, 7.4920

Conversions

Conversions Part 2

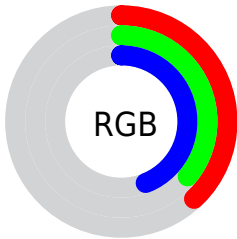
Format	Color
R_{YB}	97, 91, 111
Decimal	6380399
CIE _{Lab}	40.00, 6.78, -10.49
CIE _{LCh}	40, 12.491, 302.866
Yxy	11.2510, 0.2937, 0.2844
Android (android.graphics.Color)	4284570479 (0xFF615B6F)
YUV	95.0740, 7.8515, 1.6891
Hunter-Lab	33.5425, 3.1387, -6.0281




Details

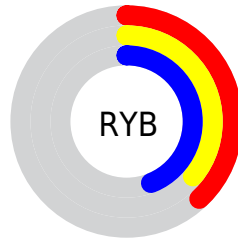
The CIELCh color $40, 12.491, 302.866$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 12.088, 120.826$, and the grayscale version is $40, 0.006, 296.813$.




A 20% lighter version of the original color is $60, 12.762, 303.262$, and $20, 12.529, 302.675$ is the 20% darker color. If you saturate the color by 10%, you get $36, 19.763, 303.564$, and if you desaturate by 10%, it is $44, 5.451, 302.240$.

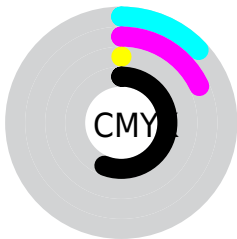
Distribution







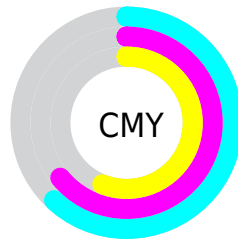
-  Red (38%)
-  Green (36%)
-  Blue (44%)






-  Red (38%)
-  Yellow (36%)
-  Blue (44%)



-  Cyan (13%)
-  Magenta (18%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (62%)
-  Magenta (64%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 12.491, 302.866 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, 12.491, 302.866 by changing the saturation by 10% instead.

■ 40, 12.491,
302.866

■ 40, 12.491,
302.866

■ 100, 12.491,
302.866

■ 30, 12.491,
302.866

■ 60, 12.491,
302.866

■ 20, 12.491,
302.866

■ 70, 12.491,
302.866

■ 10, 12.491,
302.866

■ 80, 12.491,
302.866

■ 0, 12.491, 302.866

■ 90, 12.491,
302.866

■ 40, 12.491,

■ 40, 12.491,

302.866

■ 36, 19.763,
303.564

■ 32, 27.257,
304.339

■ 28, 34.927,
305.179

■ 25, 42.678,
306.058

■ 21, 50.317,
306.924

■ 18, 57.502,
307.688

■ 15, 63.695,
308.220

■ 13, 68.944,
308.614

302.866

■ 44, 5.451, 302.240

■ 48, 1.354, 121.721

■ 52, 7.932, 121.222

■ 55, 14.293,
120.801

■ 59, 20.450,
120.437

■ 63, 26.412,
120.121

■ 67, 32.193,
119.849

■ 70, 37.803,
119.613

■ 74, 43.253,

■ 13, 70.106,
308.754

119.411

Harmonies

Complementary

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



40, 12.491, 302.866



46, 12.088, 120.826

Rectangle

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



40, 12.491, 302.866



40, 12.491, 352.866



40, 12.491, 122.866



40, 12.491, 172.866

Sweetspot

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



40, 12.490, 302.865



58, 4.236, 302.074



44, 6.445, 233.016



30, 2.914, 302.105



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 12.490, 302.865



50, 19.171, 303.178



41, 13.803, 319.557



21, 3.876, 302.301



14, 73.964, 308.677



34, 127.166, 308.165

Inverse Universe

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



41, 11.860, 335.456



52, 18.098, 335.784



45, 13.689, 137.993



22, 3.713, 334.831



26, 53.193, 344.080



55, 89.891, 345.291

Previews

White Background



This preview shows how the CIELCh color 40, 12.491, 302.866 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, 12.491, 302.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

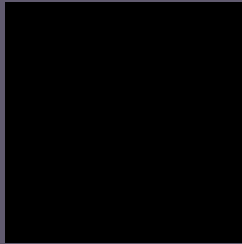
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.491, 302.866

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.491, 302.866.



This preview shows how white text looks on a background with the CIELCh color 40, 12.491, 302.866.

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, 12.491, 302.866

Protanopia

40, 12.234, 286.657

Deuteranopia

40, 11.687, 297.682



Tritanopia
40, 5.053, 304.963

Trichromacy



Original Color
40, 12.491, 302.866

Protanomaly
40, 12.236, 293.843

Deuteranomaly
40, 11.737, 299.588

Tritanomaly
40, 8.130, 302.779

Monochromacy



Original Color
40, 12.491, 302.866

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 4.357, 301.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.491, 302.866 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(97, 91, 111)` looks like.

```
.text, #text, p{  
    color:rgb(97, 91, 111)  
}
```

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(97, 91, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 91, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.491, 302.866 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(97, 91, 111) }
```

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

```
.border{ border-color:rgb(97, 91, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 91, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 91, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 91, 111);  
box-shadow:4px 4px 4px 4px rgb(97, 91,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.491, 302.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 91, 111) }
```

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

```
.background{ background-color: rgb(97, 91,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor