

Converting Colors

CIELCh(40, 38.402, 305.008)

Have a look what the booklet for
CIELCh(40, 38.402, 305.008)
contains.

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Color

CIELCh(40, 38.402, 305.008)

Conversions

Conversions Part 1

Format	Color
Hex	675492
RGB	103, 84, 146
RGB Percent	40%, 33%, 57%
CMY	0.5969, 0.6713, 0.4283
CMYK	0.29, 0.43, 0.00, 0.43
HSL	258°, 27%, 45%
HSV	258°, 43%, 57%
XYZ	13.8972, 11.2510, 28.5469
YIQ	96.7490, -8.5780, 23.3100

Conversions

Conversions Part 2

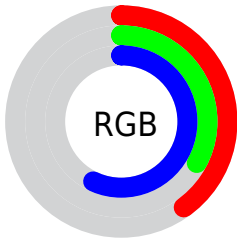
Format	Color
R_{YB}	103, 84, 146
Decimal	6771858
CIE _{Lab}	40.00, 22.03, -31.45
CIE _{LCh}	40, 38.402, 305.008
Yxy	11.2510, 0.2588, 0.2095
Android (android.graphics.Color)	4284961938 (0xFF675492)
YUV	96.7490, 24.2807, 5.4821
Hunter-Lab	33.5425, 15.2560, -26.9800

Details

The CIELCh color $40, 38.402, 305.008$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 35.207, 119.683$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 38.162, 305.181$, and $20, 38.053, 304.673$ is the 20% darker color. If you saturate the color by 10%, you get $35, 48.041, 305.883$, and if you desaturate by 10%, it is $45, 28.922, 304.186$.

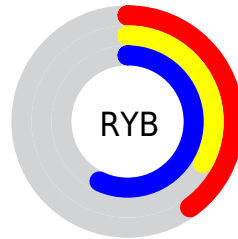
Distribution



Red (40%)

Green (33%)

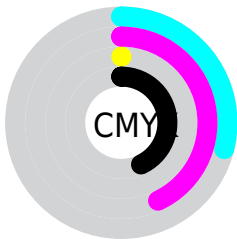
Blue (57%)



Red (40%)

Yellow (33%)

Blue (57%)

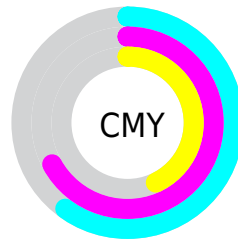


Cyan (29%)

Magenta (43%)

Yellow (0%)

Black (43%)



Cyan (60%)


Magenta (67%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 38.402, 305.008 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, 38.402, 305.008 by changing the saturation by 10% instead.

 40, 38.402,
305.008


 40, 38.402,
305.008


 100, 38.402,
305.008


 30, 38.402,
305.008

 60, 38.402,
305.008


 20, 38.402,
305.008

 70, 38.402,
305.008

 10, 38.402,
305.008

 80, 38.402,
305.008

 0, 38.402, 305.008

 90, 38.402,
305.008

 40, 38.402,

 40, 38.402,

305.008

■ 35, 48.041,
305.883

■ 31, 57.649,
306.768

■ 27, 66.858,
307.584

■ 23, 75.058,
308.205

■ 20, 81.413,
308.470

■ 18, 85.323,
308.584

305.008

■ 45, 28.922,
304.186

■ 50, 19.697,
303.436

■ 54, 10.764,
302.764

■ 59, 2.130, 302.158

■ 64, 6.208, 121.665

■ 69, 14.264,
121.210

■ 74, 22.051,
120.818

■ 78, 29.584,
120.479

■ 83, 36.880,
120.188

Harmonies

Complementary

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



40, 38.402, 305.008



58, 35.207, 119.683

Rectangle

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



40, 38.402, 305.008



40, 38.402, 355.008



40, 38.402, 125.008



40, 38.402, 175.008

Sweetspot

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



40, 38.401, 305.008



69, 13.820, 302.812



51, 17.702, 236.325



35, 9.672, 302.941



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



40, 38.401, 305.008



46, 57.555, 305.841



43, 40.902, 320.611



29, 4.890, 302.559



17, 81.800, 308.633



0, 4.215, 302.038

Inverse Universe

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



44, 34.677, 337.690



53, 50.567, 338.546



56, 40.193, 136.485



29, 4.659, 335.122



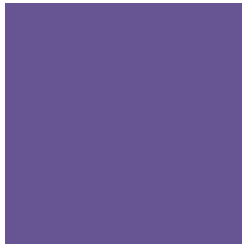
30, 58.412, 344.820



1, 4.044, 334.540

Previews

White Background



This preview shows how the CIELCh color 40, 38.402, 305.008 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, 38.402, 305.008 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, 38.402, 305.008

Background



This preview shows how black text looks on a background with the CIELCh color 40, 38.402, 305.008.



This preview shows how white text looks on a background with the CIELCh color 40, 38.402, 305.008.

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, 38.402, 305.008

Protanopia

40, 37.349, 285.736

Deuteranopia

40, 30.934, 280.933



Tritanopia
40, 4.269, 290.838

Trichromacy



Original Color
40, 38.402, 305.008

Protanomaly
40, 37.166, 292.242

Deuteranomaly
40, 33.539, 290.747

Tritanomaly
40, 16.778, 301.794

Monochromacy



Original Color
40, 38.402, 305.008

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 14.331, 303.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 38.402, 305.008 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, 84, 146)` looks like.

```
.text, #text, p{  
    color:rgb(103, 84, 146)  
}
```

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, 84, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 84, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 38.402, 305.008 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, 84, 146) }
```

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

```
.border{ border-color:rgb(103, 84, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 84, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 84, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 84, 146);  
box-shadow:4px 4px 4px 4px rgb(103, 84,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 38.402, 305.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 84, 146) }
```

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

```
.background{ background-color: rgb(103, 84,  
146) }
```

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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