

Converting Colors

CIELCh(40, 69.881, 307.365)

Have a look what the booklet for
CIELCh(40, 69.881, 307.365)
contains.

CIELCh(40, 69.544, 307.442)	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, 69.544, 307.442)

Conversions

Conversions Part 1

Format	Color
Hex	6D47BA
RGB	109, 71, 186
RGB Percent	43%, 28%, 73%
CMY	0.5735, 0.7224, 0.2715
CMYK	0.41, 0.62, 0.00, 0.27
HSL	260°, 45%, 50%
HSV	260°, 62%, 73%
XYZ	17.3548, 11.2510, 47.5780
YIQ	95.4720, -14.2670, 43.8210

Conversions

Conversions Part 2

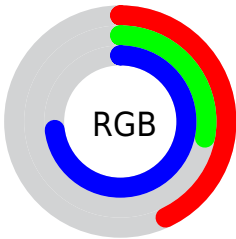
Format	Color
R _Y B	109, 71, 186
Decimal	7161786
CIE Lab	40.00, 42.28, -55.22
CIE LCh	40, 69.544, 307.442
Yxy	11.2510, 0.2278, 0.1477
Android (android.graphics.Color)	4285351866 (0xFF6D47BA)
YUV	95.4720, 44.6303, 11.8641
Hunter-Lab	33.5425, 33.6560, -60.6197

Details

The CIELCh color `40, 69.544, 307.442` is a dark color, and the websafe version is hex `663399`. A complement of this color would be `71, 60.686, 119.848`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 69.726, 307.434`, and `20, 69.661, 307.410` is the 20% darker color. If you saturate the color by 10%, you get `35, 80.603, 308.187`, and if you desaturate by 10%, it is `45, 57.915, 306.610`.

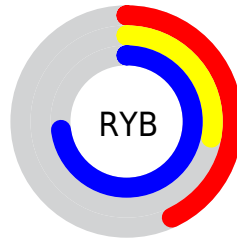
Distribution



Red (43%)

Green (28%)

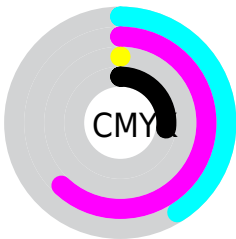
Blue (73%)



Red (43%)

Yellow (28%)

Blue (73%)

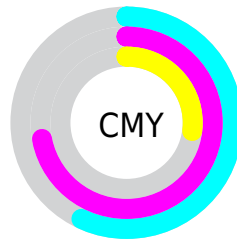


Cyan (41%)

Magenta (62%)

Yellow (0%)

Black (27%)



Cyan (57%)


Magenta (72%)

Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 69.544, 307.442 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, 69.544, 307.442 by changing the saturation by 10% instead.


 40, 69.544,
307.442


 40, 69.544,
307.442

 100, 69.544,
307.442


 30, 69.544,
307.442

 60, 69.544,
307.442


 20, 69.544,
307.442

 70, 69.544,
307.442


 10, 69.544,
307.442

 80, 69.544,
307.442

 0, 69.544, 307.442

 90, 69.544,
307.442

 40, 69.544,

 40, 69.544,

307.442

307.442

■ 35, 80.603,
308.187

■ 45, 57.915,
306.610

■ 31, 90.312,
308.715

■ 51, 46.197,
305.775

■ 27, 97.640,
308.859

■ 57, 34.649,
304.983

■ 25, 101.808,
308.738

■ 63, 23.398,
304.257

■ 68, 12.497,
303.605

■ 74, 1.961, 303.007

■ 80, 8.215, 122.539

■ 86, 18.043,
122.097

■ 92, 27.540,
121.717

Harmonies

Complementary

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



40, 69.544, 307.442



71, 60.686, 119.848

Rectangle

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



40, 69.544, 307.442



40, 69.544, 357.442



40, 69.544, 127.442



40, 69.544, 177.442

Sweetspot

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



40, 69.544, 307.443



82, 25.088, 304.082



58, 29.207, 243.533



42, 17.491, 304.278



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 69.544, 307.443



44, 102.570, 308.395



47, 70.578, 321.754



36, 5.872, 303.450



20, 89.145, 308.870



1, 15.632, 299.763

Inverse Universe

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



48, 57.836, 340.881



58, 80.455, 342.617



68, 69.453, 135.534



36, 5.480, 336.150



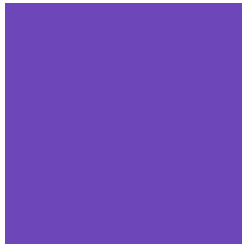
34, 62.799, 346.844



3, 13.717, 341.023

Previews

White Background



This preview shows how the CIELCh color 40, 69.544, 307.442 looks on a white background.

Color Contrast Check

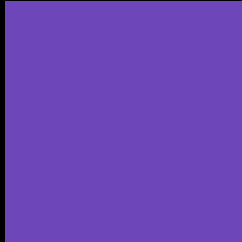
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.544, 307.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

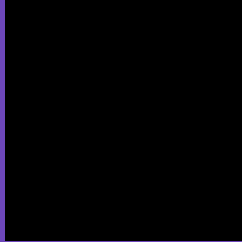
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 69.544, 307.442

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.544, 307.442.



This preview shows how white text looks on a background with the CIELCh color 40, 69.544, 307.442.

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, 69.544, 307.442

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 45.939, 276.182



Tritanopia
40, 4.849, 261.128

Trichromacy



Original Color
40, 69.544, 307.442

Protanomaly
39, 64.542, 291.719

Deuteranomaly
38, 54.023, 287.370

Tritanomaly
39, 28.478, 301.424

Monochromacy



Original Color
40, 69.544, 307.442

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 26.305, 305.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.544, 307.442 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(109, 71, 186)` looks like.

```
.text, #text, p{  
    color:rgb(109, 71, 186)  
}
```

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(109, 71, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 71, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.544, 307.442 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(109, 71, 186) }
```

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

```
.border{ border-color:rgb(109, 71, 186) }
```

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

Here you see how a box with a 4 pixel rgb(109, 71, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 71, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 71, 186);  
box-shadow:4px 4px 4px 4px rgb(109, 71,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.544, 307.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 71, 186) }
```

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

```
.background{ background-color: rgb(109, 71,  
186) }
```

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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