

Converting Colors

CIELCh(40, 44.707, 311.625)

Have a look what the booklet for
CIELCh(40, 44.707, 311.625)
contains.

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Color

CIELCh(40, 44.768, 311.640)

Conversions

Conversions Part 1

Format	Color
Hex	724E95
RGB	114, 78, 149
RGB Percent	45%, 31%, 58%
CMY	0.5520, 0.6932, 0.4147
CMYK	0.23, 0.48, 0.00, 0.41
HSL	270°, 31%, 45%
HSV	270°, 48%, 59%
XYZ	15.1544, 11.2510, 29.9078
YIQ	96.8580, -1.3350, 29.7130

Conversions

Conversions Part 2

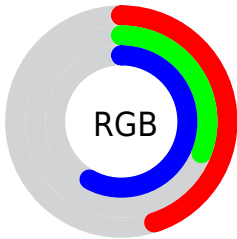
Format	Color
R_{YB}	114, 78, 149
Decimal	7491221
CIE _{Lab}	40.00, 29.75, -33.46
CIE _{LCh}	40, 44.768, 311.640
Yxy	11.2510, 0.2691, 0.1998
Android (android.graphics.Color)	4285681301 (0xFF724E95)
YUV	96.8580, 25.7060, 15.0335
Hunter-Lab	33.5425, 21.9465, -29.3856

Details

The CIELCh color $40, 44.768, 311.640$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $58, 41.873, 127.162$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 44.956, 311.343$, and $20, 44.770, 311.340$ is the 20% darker color. If you saturate the color by 10%, you get $36, 54.261, 312.124$, and if you desaturate by 10%, it is $44, 35.113, 311.120$.

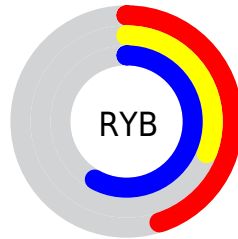
Distribution



Red (45%)

Green (31%)

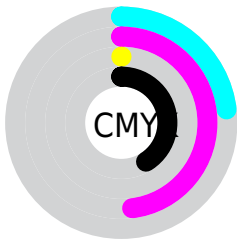
Blue (58%)



Red (45%)

Yellow (31%)

Blue (58%)

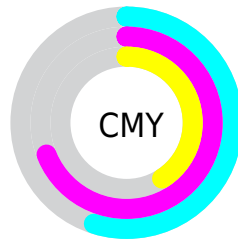


Cyan (23%)

Magenta (48%)

Yellow (0%)

Black (41%)



Cyan (55%)


Magenta (69%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 44.768, 311.640 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, 44.768, 311.640 by changing the saturation by 10% instead.


 40, 44.768,
311.640


 40, 44.768,
311.640


 100, 44.768,
311.640


 30, 44.768,
311.640

 60, 44.768,
311.640


 20, 44.768,
311.640

 70, 44.768,
311.640

 10, 44.768,
311.640

 80, 44.768,
311.640

 0, 44.768, 311.640

 90, 44.768,
311.640

 40, 44.768,

 40, 44.768,

311.640

■ 36, 54.261,
312.124

■ 32, 63.266,
312.516

■ 28, 71.299,
312.736

■ 25, 77.751,
312.682

■ 23, 82.328,
312.321

■ 23, 83.409,
312.250

311.640

■ 44, 35.113,
311.120

■ 49, 25.503,
310.599

■ 54, 16.056,
310.100

■ 58, 6.834, 309.629

■ 63, 2.131, 129.265

■ 68, 10.831,
128.848

■ 72, 19.265,
128.504

■ 77, 27.440,
128.203

■ 81, 35.368,
127.938

Harmonies

Complementary

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



40, 44.768, 311.640



58, 41.873, 127.162

Rectangle

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



40, 44.768, 311.640



40, 44.768, 1.640



40, 44.768, 131.640



40, 44.768, 181.640

Sweetspot

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



40, 44.767, 311.640



70, 15.745, 309.941



47, 23.358, 263.924



36, 10.867, 310.035



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



40, 44.767, 311.640



47, 66.449, 312.149



44, 48.230, 326.877



29, 5.062, 309.703



21, 78.599, 312.332



1, 4.375, 309.315

Inverse Universe

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



43, 34.819, 348.927



51, 50.703, 350.551



56, 48.422, 140.745



29, 4.049, 344.740



29, 53.640, 1.544



1, 3.502, 344.033

Previews

White Background



This preview shows how the CIELCh color 40, 44.768, 311.640 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, 44.768, 311.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

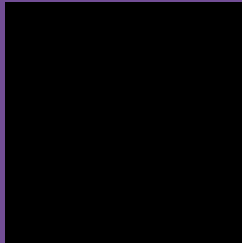
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 44.768, 311.640

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.768, 311.640.

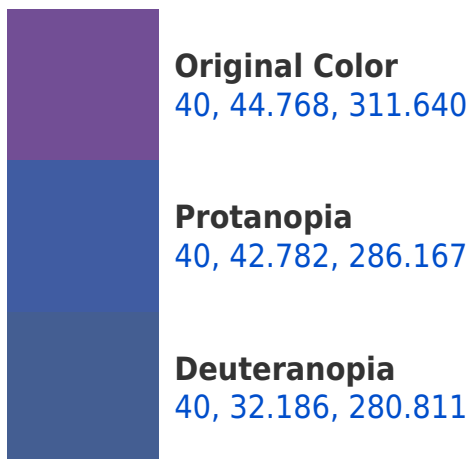



This preview shows how white text looks on a background with the CIELCh color 40, 44.768, 311.640.

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





Tritanopia
40, 7.642, 346.635

Trichromacy



Original Color
40, 44.768, 311.640

Protanomaly
40, 42.632, 294.305

Deuteranomaly
40, 35.995, 293.911

Tritanomaly
40, 20.307, 317.832

Monochromacy



Original Color
40, 44.768, 311.640

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 16.717, 310.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.768, 311.640 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(114, 78, 149)` looks like.

```
.text, #text, p{  
    color:rgb(114, 78, 149)  
}
```

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(114, 78, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 78, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.768, 311.640 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(114, 78, 149) }
```

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

```
.border{ border-color:rgb(114, 78, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 78, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 78, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 78, 149);  
box-shadow:4px 4px 4px 4px rgb(114, 78,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.768, 311.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 78, 149) }
```

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

```
.background{ background-color: rgb(114, 78,  
149) }
```

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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