

Converting Colors

CIELCh(40, 47.619, 310.951)

Have a look what the booklet for
CIELCh(40, 47.619, 310.951)
contains.

CIELCh(40, 47.651, 311.123)	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, 47.651, 311.123)

Conversions

Conversions Part 1

Format	Color
Hex	724D99
RGB	114, 77, 153
RGB Percent	45%, 30%, 60%
CMY	0.5518, 0.6970, 0.3989
CMYK	0.25, 0.50, 0.00, 0.40
HSL	269°, 33%, 45%
HSV	269°, 50%, 60%
XYZ	15.4231, 11.2510, 31.6227
YIQ	96.7270, -2.3440, 31.4800

Conversions

Conversions Part 2

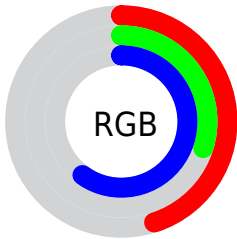
Format	Color
R_{YB}	114, 77, 153
Decimal	7490969
CIE _{Lab}	40.00, 31.34, -35.90
CIE _{LCh}	40, 47.651, 311.123
Yxy	11.2510, 0.2646, 0.1930
Android (android.graphics.Color)	4285681049 (0xFF724D99)
YUV	96.7270, 27.7426, 15.1484
Hunter-Lab	33.5425, 23.3763, -32.4168

Details

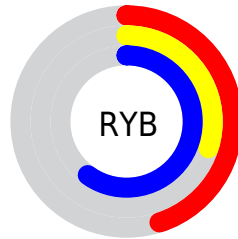
The CIELCh color $40, 47.651, 311.123$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $59, 44.255, 126.355$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 47.767, 311.211$, and $20, 47.169, 311.082$ is the 20% darker color. If you saturate the color by 10%, you get $36, 57.324, 311.625$, and if you desaturate by 10%, it is $45, 37.781, 310.580$.

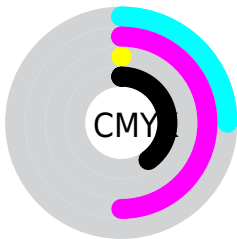
Distribution



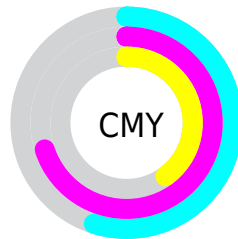
- Red (45%)
- Green (30%)
- Blue (60%)



- Red (45%)
- Yellow (30%)
- Blue (60%)



- Cyan (25%)
- Magenta (50%)
- Yellow (0%)
- Black (40%)




- Cyan (55%)
- Magenta (70%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 47.651, 311.123 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, 47.651, 311.123 by changing the saturation by 10% instead.

 40, 47.651,
311.123


 40, 47.651,
311.123


 100, 47.651,
311.123


 30, 47.651,
311.123

 60, 47.651,
311.123


 20, 47.651,
311.123

 70, 47.651,
311.123

 10, 47.651,
311.123

 80, 47.651,
311.123

 0, 47.651, 311.123

 90, 47.651,
311.123

 40, 47.651,

 40, 47.651,

311.123

■ 36, 57.324,
311.625

■ 32, 66.436,
312.023

■ 28, 74.454,
312.229

■ 25, 80.722,
312.134

■ 23, 85.259,
311.778

■ 23, 85.446,
311.768

311.123

■ 45, 37.781,
310.580

■ 49, 27.943,
310.036

■ 54, 18.267,
309.515

■ 59, 8.823, 309.026

■ 64, 0.358, 128.856

■ 68, 9.263, 128.209

■ 73, 17.893,
127.851

■ 78, 26.256,
127.538

■ 83, 34.363,

Harmonies

Complementary

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



40, 47.651, 311.123



59, 44.255, 126.355

Rectangle

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



40, 47.651, 311.123



40, 47.651, 1.123



40, 47.651, 131.123



40, 47.651, 181.123

Sweetspot

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



40, 47.650, 311.123



71, 17.188, 309.300



48, 24.342, 262.588



36, 11.727, 309.395



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 47.650, 311.123



46, 71.321, 311.697



45, 51.002, 326.471



30, 5.185, 309.008



21, 80.007, 311.856



1, 5.528, 308.322

Inverse Universe

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



43, 37.395, 347.998



52, 54.588, 349.792



57, 51.169, 140.190



30, 4.221, 343.650



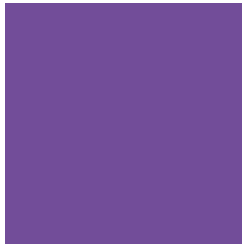
30, 54.569, 359.765



1, 4.488, 343.409

Previews

White Background



This preview shows how the CIELCh color 40, 47.651, 311.123 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, 47.651, 311.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

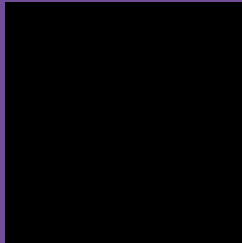
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 47.651, 311.123

Background



This preview shows how black text looks on a background with the CIELCh color 40, 47.651, 311.123.



This preview shows how white text looks on a background with the CIELCh color 40, 47.651, 311.123.

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, 47.651, 311.123

Protanopia
40, 45.794, 286.377

Deuteranopia
40, 34.101, 279.837



Tritanopia
40, 6.942, 342.556

Trichromacy



Original Color
40, 47.651, 311.123

Protanomaly
40, 45.612, 294.153

Deuteranomaly
40, 37.762, 292.386

Tritanomaly
40, 21.391, 316.438

Monochromacy



Original Color
40, 47.651, 311.123

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 17.292, 309.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 47.651, 311.123 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, 77, 153)` looks like.

```
.text, #text, p{  
    color:rgb(114, 77, 153)  
}
```

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, 77, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 77, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 47.651, 311.123 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, 77, 153) }
```

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

```
.border{ border-color:rgb(114, 77, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 77, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 77, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 77, 153);  
box-shadow:4px 4px 4px 4px rgb(114, 77,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 47.651, 311.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 77, 153) }
```

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

```
.background{ background-color: rgb(114, 77,  
153) }
```

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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