

Converting Colors

CIELCh(47, 40.622, 311.594)

Have a look what the booklet for
CIELCh(47, 40.622, 311.594)
contains.

CIELCh(47, 40.800, 311.545)	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(47, 40.800, 311.545)

Conversions

Conversions Part 1

Format	Color
Hex	8361A3
RGB	131, 97, 163
RGB Percent	51%, 38%, 64%
CMY	0.4863, 0.6196, 0.3608
CMYK	0.20, 0.40, 0.00, 0.36
HSL	271°, 26%, 51%
HSV	271°, 40%, 64%
XYZ	20.2462, 16.0195, 36.6762
YIQ	114.6900, -0.9220, 27.7340

Conversions

Conversions Part 2

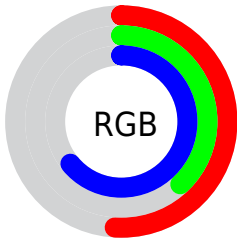
Format	Color
R_{YB}	131, 97, 163
Decimal	8610211
CIE _{Lab}	47.00, 27.06, -30.54
CIE _{LCh}	47, 40.800, 311.545
Yxy	16.0195, 0.2776, 0.2196
Android (android.graphics.Color)	4286800291 (0xFF8361A3)
YUV	114.6900, 23.8168, 14.3039
Hunter-Lab	40.0243, 20.2514, -26.3132

Details

The CIELCh color $47, 40.800, 311.545$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 38.611, 127.744$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 40.794, 311.583$, and $27, 40.588, 311.461$ is the 20% darker color. If you saturate the color by 10%, you get $42, 51.140, 312.052$, and if you desaturate by 10%, it is $52, 30.437, 311.026$.

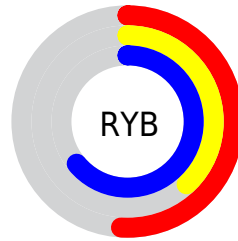
Distribution



Red (51%)

Green (38%)

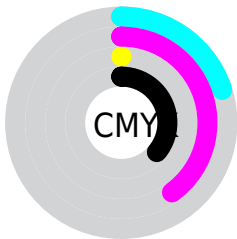
Blue (64%)



Red (51%)

Yellow (38%)

Blue (64%)

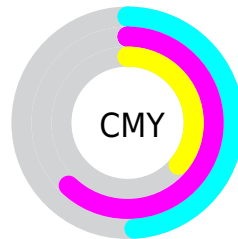


Cyan (20%)

Magenta (40%)

Yellow (0%)

Black (36%)



Cyan (49%)


Magenta (62%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 40.800, 311.545 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 47, 40.800, 311.545 by changing the saturation by 10% instead.


 47, 40.800,
311.545

 47, 40.800,
311.545


 100, 40.800,
311.545


 37, 40.800,
311.545

 67, 40.800,
311.545


 27, 40.800,
311.545

 77, 40.800,
311.545

 17, 40.800,
311.545

 87, 40.800,
311.545

 7, 40.800, 311.545

 97, 40.800,
311.545

 0, 40.800, 311.545

 47, 40.800,

 47, 40.800,

311.545

■ 42, 51.140,
312.052

■ 38, 61.196,
312.505

■ 34, 70.554,
312.838

■ 30, 78.632,
312.963

■ 27, 84.761,
312.774

■ 25, 88.903,
312.355

311.545

■ 52, 30.437,
311.026

■ 57, 20.212,
310.520

■ 62, 10.211,
310.042

■ 67, 0.477, 309.396

■ 72, 8.972, 129.236

■ 77, 18.133,
128.878

■ 82, 27.013,
128.564

■ 87, 35.621,
128.288

■ 92, 43.971,
128.047

Harmonies

Complementary

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



47, 40.800, 311.545



63, 38.611, 127.744

Rectangle

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



47, 40.800, 311.545



47, 40.800, 1.545



47, 40.800, 131.545



47, 40.800, 181.545

Sweetspot

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



47, 40.799, 311.545



77, 14.483, 310.123



53, 21.477, 262.257



40, 9.699, 310.180



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 40.799, 311.545



55, 61.380, 312.024



51, 44.563, 326.561



32, 5.503, 309.985



22, 81.657, 312.464



1, 8.378, 307.893

Inverse Universe

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



49, 31.853, 348.505



59, 47.310, 349.811



61, 44.650, 141.430



32, 4.371, 345.196



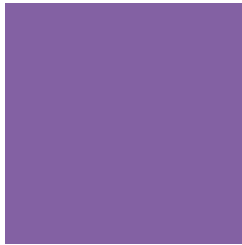
31, 55.702, 2.523



1, 6.523, 347.060

Previews

White Background



This preview shows how the CIELCh color 47, 40.800, 311.545 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 47, 40.800, 311.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

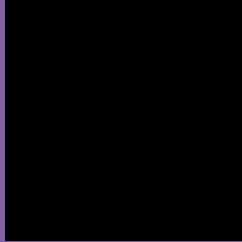
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 40.800, 311.545

Background



This preview shows how black text looks on a background with the CIELCh color 47, 40.800, 311.545.



This preview shows how white text looks on a background with the CIELCh color 47, 40.800, 311.545.

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

47, 40.800, 311.545

Protanopia

47, 38.037, 285.249

Deuteranopia

47, 29.285, 282.646



Tritanopia
47, 8.436, 341.390

Trichromacy



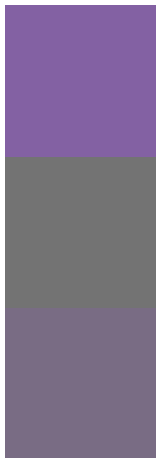
Original Color
47, 40.800, 311.545

Protanomaly
47, 38.484, 294.678

Deuteranomaly
47, 32.602, 295.002

Tritanomaly
47, 19.938, 318.746

Monochromacy



Original Color
47, 40.800, 311.545

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 15.121, 311.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 40.800, 311.545 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(131, 97, 163)` looks like.

```
.text, #text, p{  
    color:rgb(131, 97, 163)  
}
```

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(131, 97, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 97, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 40.800, 311.545 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(131, 97, 163) }
```

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

```
.border{ border-color:rgb(131, 97, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 97, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 97, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 97, 163);  
box-shadow:4px 4px 4px 4px rgb(131, 97,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 40.800, 311.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 97, 163) }
```

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

```
.background{ background-color: rgb(131, 97,  
163) }
```

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