

Converting Colors

CIELCh(41, 45.080, 311.386)

Have a look what the booklet for
CIELCh(41, 45.080, 311.386)
contains.

CIELCh(41, 45.138, 311.395)	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(41, 45.138, 311.395)

Conversions

Conversions Part 1

Format	Color
Hex	755199
RGB	117, 81, 153
RGB Percent	46%, 32%, 60%
CMY	0.5428, 0.6839, 0.4017
CMYK	0.24, 0.47, 0.00, 0.40
HSL	270°, 31%, 46%
HSV	270°, 47%, 60%
XYZ	15.9063, 11.8645, 31.4010
YIQ	99.9720, -1.6560, 30.0240

Conversions

Conversions Part 2

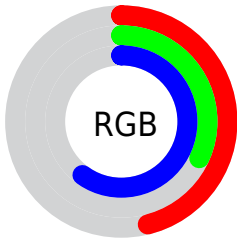
Format	Color
R_{YB}	117, 81, 153
Decimal	7688601
CIE _{Lab}	41.00, 29.85, -33.86
CIE _{LCh}	41, 45.138, 311.395
Yxy	11.8645, 0.2688, 0.2005
Android (android.graphics.Color)	4285878681 (0xFF755199)
YUV	99.9720, 26.1428, 14.9336
Hunter-Lab	34.4449, 22.1506, -29.9390

Details

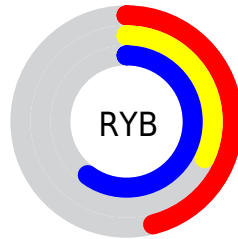
The CIELCh color $41, 45.138, 311.395$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 42.188, 126.917$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 45.414, 311.538$, and $21, 44.573, 311.265$ is the 20% darker color. If you saturate the color by 10%, you get $37, 54.826, 311.892$, and if you desaturate by 10%, it is $46, 35.303, 310.865$.

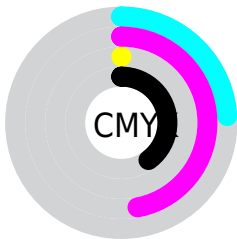
Distribution



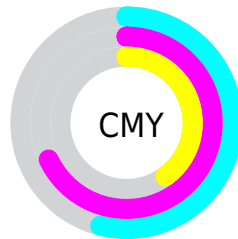
- Red (46%)
- Green (32%)
- Blue (60%)



- Red (46%)
- Yellow (32%)
- Blue (60%)



- Cyan (24%)
- Magenta (47%)
- Yellow (0%)
- Black (40%)





- Cyan (54%)
- Magenta (68%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 45.138, 311.395 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 41, 45.138, 311.395 by changing the saturation by 10% instead.


 41, 45.138,
311.395


 41, 45.138,
311.395


 100, 45.138,
311.395


 31, 45.138,
311.395

 61, 45.138,
311.395


 21, 45.138,
311.395

 71, 45.138,
311.395

 11, 45.138,
311.395

 81, 45.138,
311.395

 1, 45.138, 311.395

 91, 45.138,
311.395

 0, 45.138, 311.395

 41, 45.138,

 41, 45.138,

311.395

■ 37, 54.826,
311.892

■ 33, 64.040,
312.301

■ 29, 72.291,
312.540

■ 26, 78.953,
312.507

■ 24, 83.640,
312.149

■ 23, 84.913,
312.062

311.395

■ 46, 35.303,
310.865

■ 50, 25.527,
310.337

■ 55, 15.925,
309.833

■ 60, 6.558, 309.358

■ 64, 2.545, 128.986

■ 69, 11.375,
128.575

■ 74, 19.934,
128.231

■ 79, 28.230,
127.930

■ 83, 36.274,
127.666

Harmonies

Complementary

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



41, 45.138, 311.395



59, 42.188, 126.917

Rectangle

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



41, 45.138, 311.395



41, 45.138, 1.395



41, 45.138, 131.395



41, 45.138, 181.395

Sweetspot

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



41, 45.137, 311.395



72, 16.059, 309.693



48, 23.121, 261.942



36, 11.088, 309.789



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



41, 45.137, 311.395



48, 67.845, 311.937



45, 48.537, 326.366



30, 5.199, 309.454



21, 79.791, 312.146



1, 5.542, 308.768

Inverse Universe

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



44, 35.285, 348.437



53, 51.955, 350.100



57, 48.655, 140.439



30, 4.185, 344.345



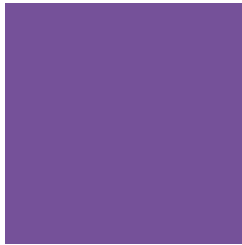
30, 54.423, 0.949



1, 4.449, 344.093

Previews

White Background



This preview shows how the CIE LCh color 41, 45.138, 311.395 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 41, 45.138, 311.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

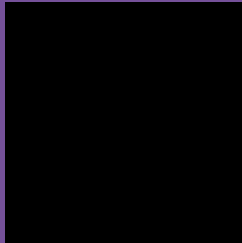
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 45.138, 311.395

Background



This preview shows how black text looks on a background with the CIELCh color 41, 45.138, 311.395.



This preview shows how white text looks on a background with the CIELCh color 41, 45.138, 311.395.

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


41, 45.138, 311.395

Protanopia

41, 42.613, 285.584

Deuteranopia

41, 32.090, 280.095



Tritanopia
41, 7.254, 344.661

Trichromacy



Original Color
41, 45.138, 311.395

Protanomaly
41, 42.425, 293.760

Deuteranomaly
41, 35.814, 293.281

Tritanomaly
41, 20.779, 317.098

Monochromacy



Original Color
41, 45.138, 311.395

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 16.630, 310.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 45.138, 311.395 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(117, 81, 153)` looks like.

```
.text, #text, p{  
    color:rgb(117, 81, 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(117, 81, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 81, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 45.138, 311.395 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(117, 81, 153) }
```

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

```
.border{ border-color:rgb(117, 81, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 81, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 81, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 81, 153);  
box-shadow:4px 4px 4px 4px rgb(117, 81,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 45.138, 311.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 81, 153) }
```

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

```
.background{ background-color: rgb(117, 81,  
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](#).

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