

Converting Colors

CIELCh(41, 78.786, 309.673)

Have a look what the booklet for
CIELCh(41, 78.786, 309.673)
contains.

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Color

CIELCh(41, 78.727, 309.656)

Conversions

Conversions Part 1

Format	Color
Hex	7742C6
RGB	119, 66, 198
RGB Percent	47%, 26%, 78%
CMY	0.5339, 0.7417, 0.2241
CMYK	0.40, 0.67, 0.00, 0.22
HSL	264°, 54%, 52%
HSV	264°, 67%, 78%
XYZ	19.7061, 11.8645, 54.5928
YIQ	96.8950, -10.7840, 52.2880

Conversions

Conversions Part 2

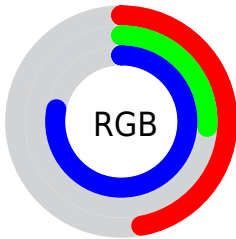
Format	Color
R_{YB}	119, 66, 198
Decimal	7815878
CIE _{Lab}	41.00, 50.24, -60.61
CIE _{LCh}	41, 78.727, 309.656
Yxy	11.8645, 0.2287, 0.1377
Android (android.graphics.Color)	4286005958 (0xFF7742C6)
YUV	96.8950, 49.8448, 19.3861
Hunter-Lab	34.4449, 41.8422, -69.8590

Details

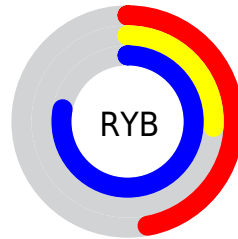
The CIELCh color **41, 78.727, 309.656** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **74, 69.109, 122.654**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 78.573, 309.690**, and **21, 78.878, 309.669** is the 20% darker color. If you saturate the color by 10%, you get **36, 89.361, 310.100**, and if you desaturate by 10%, it is **46, 66.992, 309.045**.

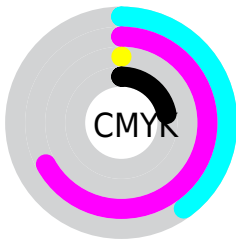
Distribution



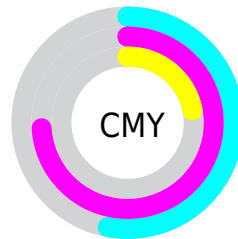
- Red (47%)
- Green (26%)
- Blue (78%)



- Red (47%)
- Yellow (26%)
- Blue (78%)



- Cyan (40%)
- Magenta (67%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (74%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 78.727, 309.656 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, 78.727, 309.656 by changing the saturation by 10% instead.


 41, 78.727,
309.656


 41, 78.727,
309.656


 100, 78.727,
309.656


 31, 78.727,
309.656

 61, 78.727,
309.656


 21, 78.727,
309.656

 71, 78.727,
309.656

 11, 78.727,
309.656

 81, 78.727,
309.656

 1, 78.727, 309.656

 91, 78.727,
309.656

 0, 78.727, 309.656

 41, 78.727,

 41, 78.727,

309.656

36, 89.361,
310.100

32, 97.985,
310.242

30, 103.728,
309.955

29, 105.309,
309.842

309.656

46, 66.992,
309.045

52, 54.815,
308.366

58, 42.598,
307.681

64, 30.564,
307.028

70, 18.828,
306.425

76, 7.441, 305.874

82, 3.581, 125.425

88, 14.241,
124.982

■ 94, 24.549,
124.607

Harmonies

Complementary

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



41, 78.727, 309.656



74, 69.109, 122.654

Rectangle

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



41, 78.727, 309.656



41, 78.727, 359.656



41, 78.727, 129.656



41, 78.727, 179.656

Sweetspot

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



41, 78.727, 309.657



85, 27.852, 306.635



58, 35.249, 257.694



43, 19.086, 306.808



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 78.727, 309.657



45, 113.240, 310.210



50, 79.263, 324.479



39, 6.345, 306.017



23, 91.131, 309.992



2, 22.035, 302.567

Inverse Universe

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



49, 61.646, 345.584



59, 83.554, 348.262



71, 79.363, 136.869



39, 5.567, 339.367



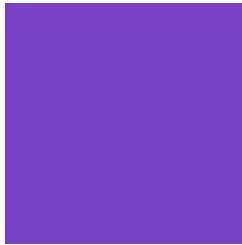
35, 62.646, 352.702



4, 18.999, 346.882

Previews

White Background



This preview shows how the CIELCh color 41, 78.727, 309.656 looks on a white background.

Color Contrast Check

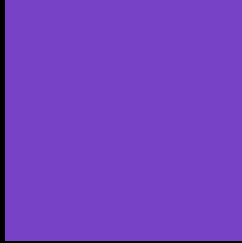
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 78.727, 309.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

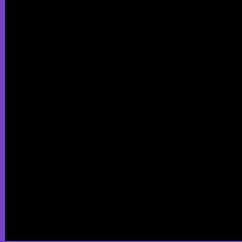
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 78.727, 309.656

Background



This preview shows how black text looks on a background with the CIELCh color 41, 78.727, 309.656.



This preview shows how white text looks on a background with the CIELCh color 41, 78.727, 309.656.

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, 78.727, 309.656

Protanopia

41, 63.697, 287.126

Deuteranopia

41, 45.886, 275.304



Tritanopia
41, 4.341, 301.638

Trichromacy



Original Color
41, 78.727, 309.656

Protanomaly
39, 69.686, 293.583

Deuteranomaly
39, 57.405, 289.114

Tritanomaly
40, 32.652, 307.770

Monochromacy



Original Color
41, 78.727, 309.656

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 30.150, 307.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 78.727, 309.656 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(119, 66, 198)` looks like.

```
.text, #text, p{  
    color:rgb(119, 66, 198)  
}
```

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(119, 66, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 66, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 78.727, 309.656 is called "border". The border property can be set on classes, ids or directly on the HTML element.

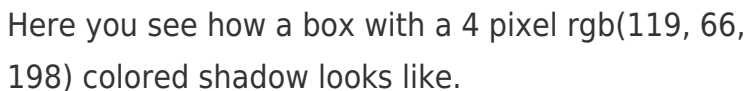
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 66, 198) }
```

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

```
.border{ border-color:rgb(119, 66, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 66, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 66, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 66, 198); box-shadow:4px 4px 4px 4px rgb(119, 66, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 78.727, 309.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 66, 198) }
```

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

```
.background{ background-color: rgb(119, 66,  
198) }
```

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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