

Converting Colors

CIELCh(41, 49.649, 311.183)

Have a look what the booklet for
CIELCh(41, 49.649, 311.183)
contains.

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Color

CIELCh(41, 49.277, 311.358)

Conversions

Conversions Part 1

Format	Color
Hex	764F9E
RGB	118, 79, 158
RGB Percent	46%, 31%, 62%
CMY	0.5380, 0.6909, 0.3812
CMYK	0.25, 0.50, 0.00, 0.38
HSL	270°, 33%, 46%
HSV	270°, 50%, 62%
XYZ	16.3808, 11.8645, 33.6827
YIQ	99.6670, -2.1150, 32.8370

Conversions

Conversions Part 2

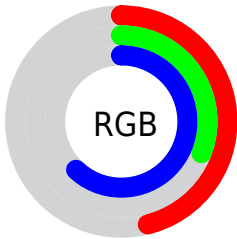
Format	Color
RYB	118, 79, 158
Decimal	7753630
CIELab	41.00, 32.56, -36.99
CIELCh	41, 49.277, 311.358
Yxy	11.8645, 0.2645, 0.1916
Android (android.graphics.Color)	4285943710 (0xFF764F9E)
YUV	99.6670, 28.7582, 16.0780
Hunter-Lab	34.4449, 24.6095, -33.8665

Details

The CIELCh color $41, 49.277, 311.358$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $61, 45.778, 126.571$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 49.374, 311.424$, and $21, 49.393, 311.555$ is the 20% darker color. If you saturate the color by 10%, you get $37, 59.144, 311.846$, and if you desaturate by 10%, it is $46, 39.180, 310.824$.

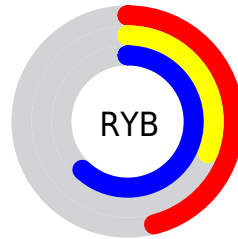
Distribution



Red (46%)

Green (31%)

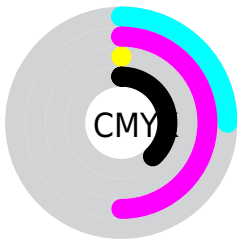
Blue (62%)



Red (46%)

Yellow (31%)

Blue (62%)

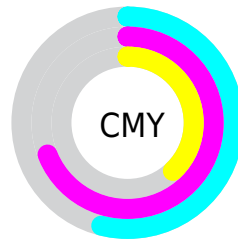


Cyan (25%)

Magenta (50%)

Yellow (0%)

Black (38%)



Cyan (54%)

Magenta (69%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 49.277, 311.358 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, 49.277, 311.358 by changing the saturation by 10% instead.

■ 41, 49.277,
311.358

■ 41, 49.277,
311.358

■ 100, 49.277,
311.358

■ 31, 49.277,
311.358

■ 61, 49.277,
311.358

■ 21, 49.277,
311.358

■ 71, 49.277,
311.358

■ 11, 49.277,
311.358

■ 81, 49.277,
311.358

■ 1, 49.277, 311.358

■ 91, 49.277,
311.358

■ 0, 49.277, 311.358

■ 41, 49.277,

■ 41, 49.277,

311.358

37, 59.144,
311.846

33, 68.398,
312.225

29, 76.479,
312.403

26, 82.716,
312.273

24, 87.181,
311.889

311.358

46, 39.180,
310.824

50, 29.100,
310.285

55, 19.175,
309.766

60, 9.481, 309.278

65, 0.056, 307.095

70, 9.089, 128.461

75, 17.952,
128.102

80, 26.540,
127.787

84, 34.866,

Harmonies

Complementary

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



41, 49.277, 311.358



61, 45.778, 126.571

Rectangle

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



41, 49.277, 311.358



41, 49.277, 1.358



41, 49.277, 131.358



41, 49.277, 181.358

Sweetspot

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



41, 49.276, 311.358



73, 17.568, 309.529



49, 25.138, 262.743



37, 11.990, 309.625



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



41, 49.276, 311.358



47, 72.811, 311.894



46, 52.640, 326.495



31, 5.336, 309.240



21, 80.965, 311.986



1, 6.861, 307.946

Inverse Universe

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



44, 38.474, 348.482



53, 55.530, 350.238



59, 52.823, 140.131



31, 4.319, 344.011



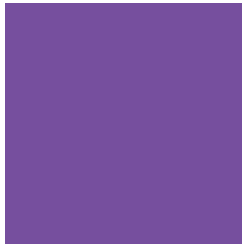
30, 55.201, 0.447



1, 5.490, 344.721

Previews

White Background



This preview shows how the CIELCh color 41, 49.277, 311.358 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, 49.277, 311.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

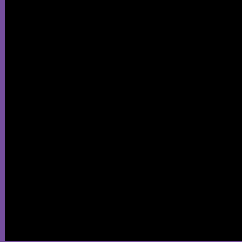
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 49.277, 311.358

Background



This preview shows how black text looks on a background with the CIELCh color 41, 49.277, 311.358.



This preview shows how white text looks on a background with the CIELCh color 41, 49.277, 311.358.

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, 49.277, 311.358

Protanopia

41, 48.008, 286.684

Deuteranopia

41, 35.183, 280.076



Tritanopia
41, 7.601, 346.603

Trichromacy



Original Color
41, 49.277, 311.358

Protanomaly
40, 47.887, 294.533

Deuteranomaly
41, 39.465, 293.160

Tritanomaly
41, 22.159, 317.706

Monochromacy



Original Color
41, 49.277, 311.358

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 17.916, 310.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 49.277, 311.358 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(118, 79, 158)` looks like.

```
.text, #text, p{  
    color:rgb(118, 79, 158)  
}
```

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(118, 79, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 79, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 49.277, 311.358 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(118, 79, 158) }
```

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

```
.border{ border-color:rgb(118, 79, 158) }
```

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

Here you see how a box with a 4 pixel rgb(118, 79, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 79, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 79, 158);  
box-shadow:4px 4px 4px 4px rgb(118, 79,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 49.277, 311.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 79, 158) }
```

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

```
.background{ background-color: rgb(118, 79,  
158) }
```

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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