

Converting Colors

CIELCh(41, 98.333, 301.823)

Have a look what the booklet for
CIELCh(41, 98.333, 301.823)
contains.

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Color

CIELCh(41, 98.341, 301.817)

Conversions

Conversions Part 1

Format	Color
Hex	4447EE
RGB	68, 71, 238
RGB Percent	27%, 28%, 93%
CMY	0.7314, 0.7228, 0.0681
CMYK	0.71, 0.70, 0.00, 0.07
HSL	239°, 83%, 60%
HSV	239°, 71%, 93%
XYZ	20.0284, 11.8645, 81.8346
YIQ	89.1410, -55.3950, 51.3010

Conversions

Conversions Part 2

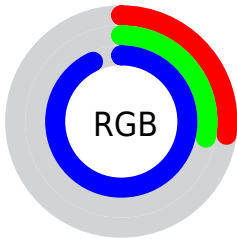
Format	Color
RYB	68, 71, 238
Decimal	4474862
CIELab	41.00, 51.85, -83.56
CIELCh	41, 98.341, 301.817
Yxy	11.8645, 0.1761, 0.1043
Android (android.graphics.Color)	4282664942 (0xFF4447EE)
YUV	89.1410, 73.3875, -18.5407
Hunter-Lab	34.4449, 43.5122, -116.7503

Details

The CIELCh color **41, 98.341, 301.817** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **91, 78.281, 103.164**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 75.824, 301.215**, and **24, 95.843, 304.140** is the 20% darker color. If you saturate the color by 10%, you get **36, 111.674, 303.902**, and if you desaturate by 10%, it is **48, 83.586, 299.543**.

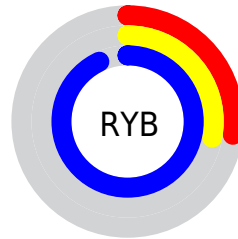
Distribution



Red (27%)

Green (28%)

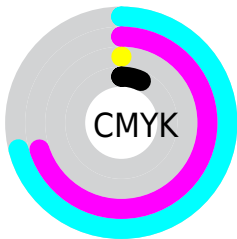
Blue (93%)



Red (27%)

Yellow (28%)

Blue (93%)

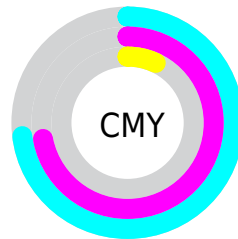


Cyan (71%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (72%)

Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 98.341, 301.817 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, 98.341, 301.817 by changing the saturation by 10% instead.


 41, 98.341,
301.817


 41, 98.341,
301.817


 100, 98.341,
301.817


 31, 98.341,
301.817

 61, 98.341,
301.817


 21, 98.341,
301.817

 71, 98.341,
301.817


 11, 98.341,
301.817


 81, 98.341,
301.817

 1, 98.341, 301.817

 91, 98.341,
301.817

 0, 98.341, 301.817

 41, 98.341,

 41, 98.341,

301.817

301.817

■ 36, 111.674,
303.902

■ 48, 83.586,
299.543

■ 32, 121.580,
305.446

■ 55, 68.650,
297.338

■ 30, 126.325,
306.172

■ 62, 54.089,
295.342

■ 70, 40.084,
293.601

■ 78, 26.660,
292.112

■ 85, 13.791,
290.850

■ 93, 1.435, 289.827

■ 100, 8.795,
109.510

Harmonies

Complementary

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



41, 98.341, 301.817



91, 78.281, 103.164

Rectangle

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



41, 98.341, 301.817



41, 98.341, 351.817



41, 98.341, 121.817



41, 98.341, 171.817

Sweetspot

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



41, 98.342, 301.818



83, 27.986, 292.098



86, 43.697, 194.640



42, 19.051, 292.486



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, 98.342, 301.818



36, 122.704, 304.627



48, 96.518, 312.032



46, 7.036, 290.656



22, 103.953, 306.129



3, 37.465, 298.528

Inverse Universe

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



55, 74.315, 30.191



55, 93.619, 35.399



86, 86.079, 125.725



47, 4.991, 18.884



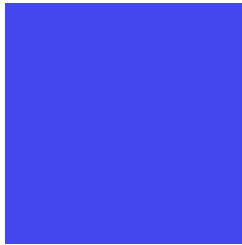
38, 81.103, 39.459



8, 29.765, 23.286

Previews

White Background



This preview shows how the CIE LCh color 41, 98.341, 301.817 looks on a white background.

Color Contrast Check

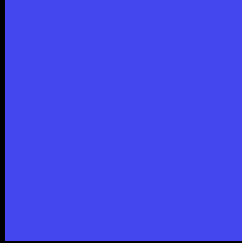
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.341, 301.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

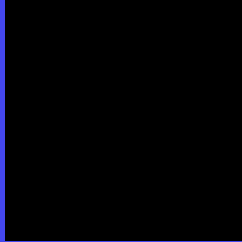
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 98.341, 301.817

Background



This preview shows how black text looks on a background with the CIELCh color 41, 98.341, 301.817.

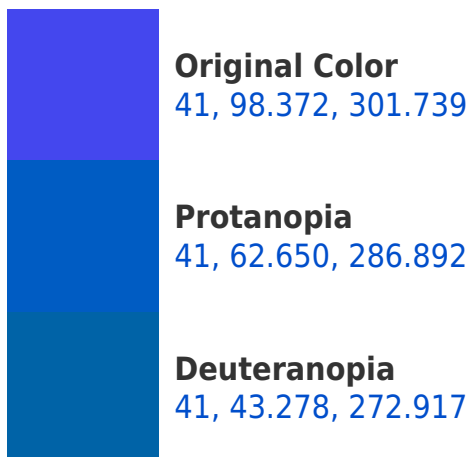


This preview shows how white text looks on a background with the CIELCh color 41, 98.341, 301.817.

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





Tritanopia
40, 25.451, 206.362

Trichromacy



Original Color
41, 98.372, 301.739

Protanomaly
40, 76.562, 293.711

Deuteranomaly
40, 63.228, 288.905

Tritanomaly
39, 41.269, 275.420

Monochromacy



Original Color
41, 98.372, 301.739

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 37.582, 295.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 98.341, 301.817 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(68, 71, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 71, 238)  
}
```

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(68, 71, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 71, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 98.341, 301.817 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(68, 71, 238) }
```

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

```
.border{ border-color:rgb(68, 71, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 71, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 71, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 71, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 71,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 98.341, 301.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 71, 238) }
```

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

```
.background{ background-color: rgb(68, 71,  
238) }
```

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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