

Converting Colors

CIELCh(41, 87.369, 301.433)

Have a look what the booklet for
CIELCh(41, 87.369, 301.433)
contains.

CIELCh(41, 87.270, 301.373)	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, 87.270, 301.373)

Conversions

Conversions Part 1

Format	Color
Hex	4E4BDE
RGB	78, 75, 222
RGB Percent	31%, 29%, 87%
CMY	0.6954, 0.7068, 0.1305
CMYK	0.65, 0.66, 0.00, 0.13
HSL	241°, 69%, 58%
HSV	241°, 66%, 87%
XYZ	18.7611, 11.8645, 70.2103
YIQ	92.6550, -45.3990, 46.3530

Conversions

Conversions Part 2

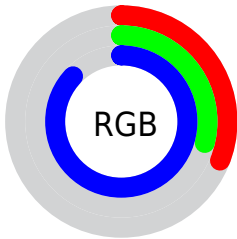
Format	Color
R_{YB}	78, 75, 222
Decimal	5131230
CIE _{Lab}	41.00, 45.43, -74.51
CIE _{LCh}	41, 87.270, 301.373
Yxy	11.8645, 0.1861, 0.1177
Android (android.graphics.Color)	4283321310 (0xFF4E4BDE)
YUV	92.6550, 63.7671, -12.8524
Hunter-Lab	34.4449, 36.9448, -96.7414

Details

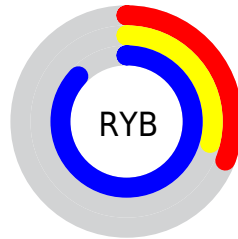
The CIELCh color **41, 87.270, 301.373** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **86, 70.981, 105.153**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 73.365, 301.076**, and **22, 86.546, 303.026** is the 20% darker color. If you saturate the color by 10%, you get **35, 100.740, 303.419**, and if you desaturate by 10%, it is **48, 73.035, 299.263**.

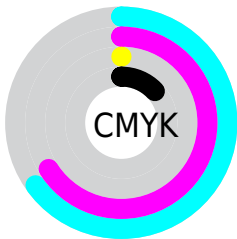
Distribution



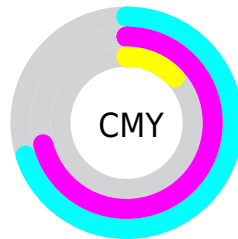
- Red (31%)
- Green (29%)
- Blue (87%)



- Red (31%)
- Yellow (29%)
- Blue (87%)



- Cyan (65%)
- Magenta (66%)
- Yellow (0%)
- Black (13%)





- Cyan (70%)
- Magenta (71%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 87.270, 301.373 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, 87.270, 301.373 by changing the saturation by 10% instead.


 41, 87.270,
301.373


 41, 87.270,
301.373


 100, 87.270,
301.373


 31, 87.270,
301.373

 61, 87.270,
301.373


 21, 87.270,
301.373

 71, 87.270,
301.373


 11, 87.270,
301.373


 81, 87.270,
301.373

 1, 87.270, 301.373

 91, 87.270,
301.373

 0, 87.270, 301.373

 41, 87.270,

 41, 87.270,

301.373

301.373

■ 35, 100.740,
303.419

■ 48, 73.035,
299.263

■ 31, 111.830,
305.088

■ 55, 58.896,
297.280

■ 28, 118.597,
306.069

■ 62, 45.201,
295.514

■ 28, 120.308,
306.334


■ 69, 32.050,
293.984

■ 76, 19.445,
292.678

■ 84, 7.355, 291.573

■ 91, 4.257, 110.608

■ 98, 15.427,
109.818

 99, 16.833,
108.905

Harmonies

Complementary

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



41, 87.270, 301.373



86, 70.981, 105.153

Rectangle

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



41, 87.270, 301.373



41, 87.270, 351.373



41, 87.270, 121.373



41, 87.270, 171.373

Sweetspot

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



41, 87.270, 301.374



84, 26.973, 293.159



80, 38.836, 198.728



42, 18.512, 293.531



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, 87.270, 301.374



39, 117.782, 304.211



48, 85.565, 312.804



42, 6.629, 291.900



20, 100.112, 306.350



2, 29.624, 295.402

Inverse Universe

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



58, 85.954, 328.290



62, 107.208, 328.713



81, 77.746, 126.900



43, 7.895, 325.470



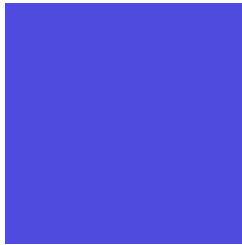
41, 85.229, 329.027



7, 34.088, 328.824

Previews

White Background



This preview shows how the CIE LCh color 41, 87.270, 301.373 looks on a white background.

Color Contrast Check

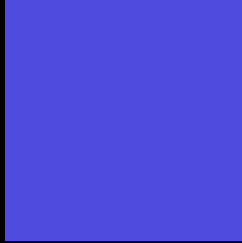
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.270, 301.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

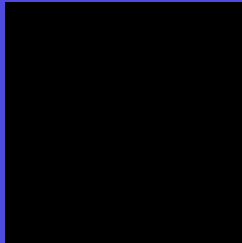
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 87.270, 301.373

Background



This preview shows how black text looks on a background with the CIELCh color 41, 87.270, 301.373.



This preview shows how white text looks on a background with the CIELCh color 41, 87.270, 301.373.

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, 87.270, 301.373

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 43.795, 273.417



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 87.270, 301.373

Protanomaly
40, 71.885, 292.364

Deuteranomaly
40, 59.728, 287.607

Tritanomaly
39, 37.996, 272.006

Monochromacy



Original Color
41, 87.270, 301.373

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 32.509, 295.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 87.270, 301.373 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(78, 75, 222)` looks like.

```
.text, #text, p{  
    color:rgb(78, 75, 222)  
}
```

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(78, 75, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 75, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 87.270, 301.373 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(78, 75, 222) }
```

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

```
.border{ border-color:rgb(78, 75, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 75, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 75, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 75, 222);  
box-shadow:4px 4px 4px 4px rgb(78, 75,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 87.270, 301.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 75, 222) }
```

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

```
.background{ background-color: rgb(78, 75,  
222) }
```

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