

Converting Colors

CIELCh(41, 93.557, 302.528)

Have a look what the booklet for
CIELCh(41, 93.557, 302.528)
contains.

CIELCh(41, 93.297, 302.553)	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, 93.297, 302.553)

Conversions

Conversions Part 1

Format	Color
Hex	5047E5
RGB	80, 71, 229
RGB Percent	31%, 28%, 90%
CMY	0.6863, 0.7216, 0.1020
CMYK	0.65, 0.69, 0.00, 0.10
HSL	243°, 75%, 59%
HSV	243°, 69%, 90%
XYZ	19.6980, 11.8645, 75.3645
YIQ	91.7030, -45.3540, 51.0460

Conversions

Conversions Part 2

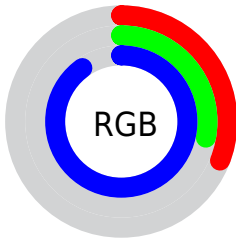
Format	Color
R_{YB}	80, 71, 229
Decimal	5261285
CIE _{Lab}	41.00, 50.20, -78.64
CIE _{LCh}	41, 93.297, 302.553
Yxy	11.8645, 0.1842, 0.1110
Android (android.graphics.Color)	4283451365 (0xFF5047E5)
YUV	91.7030, 67.6874, -10.2635
Hunter-Lab	34.4449, 41.8003, -105.6133

Details

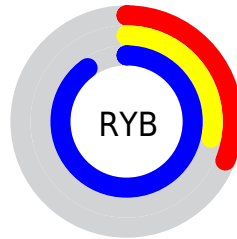
The CIELCh color **41, 93.297, 302.553** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **88, 75.167, 106.865**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 75.817, 302.575**, and **22, 91.936, 304.029** is the 20% darker color. If you saturate the color by 10%, you get **35, 106.530, 304.335**, and if you desaturate by 10%, it is **48, 78.890, 300.630**.

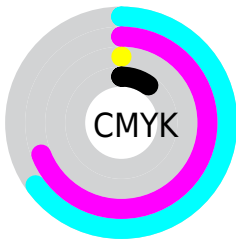
Distribution



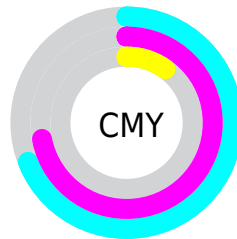
- Red (31%)
- Green (28%)
- Blue (90%)



- Red (31%)
- Yellow (28%)
- Blue (90%)



- Cyan (65%)
- Magenta (69%)
- Yellow (0%)
- Black (10%)





- Cyan (69%)
- Magenta (72%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 93.297, 302.553 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, 93.297, 302.553 by changing the saturation by 10% instead.


 41, 93.297,
302.553


 41, 93.297,
302.553


 100, 93.297,
302.553


 31, 93.297,
302.553

 61, 93.297,
302.553


 21, 93.297,
302.553

 71, 93.297,
302.553


 11, 93.297,
302.553


 81, 93.297,
302.553

 1, 93.297, 302.553

 91, 93.297,
302.553

 0, 93.297, 302.553

 41, 93.297,

 41, 93.297,

302.553

302.553

■ 35, 106.530,
304.335

■ 48, 78.890,
300.630

■ 31, 116.809,
305.667

■ 55, 64.364,
298.774

■ 29, 122.629,
306.354

■ 62, 50.194,
297.090

■ 29, 123.092,
306.418


■ 69, 36.545,
295.614

■ 77, 23.450,
294.344

■ 84, 10.888,
293.262

■ 92, 1.173, 112.294

■ 99, 12.770,
111.545

 99, 13.169,
109.182

Harmonies

Complementary

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



41, 93.297, 302.553



88, 75.167, 106.865

Rectangle

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



41, 93.297, 302.553



41, 93.297, 352.553



41, 93.297, 122.553



41, 93.297, 172.553

Sweetspot

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



41, 93.298, 302.554



83, 28.405, 294.598



81, 39.207, 203.039



42, 19.337, 294.942



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, 93.298, 302.554



37, 121.100, 305.008



49, 90.943, 313.819



44, 6.889, 293.308



21, 102.098, 306.462



2, 33.778, 298.141

Inverse Universe

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



58, 88.377, 329.647



61, 106.060, 330.182



83, 83.189, 127.995



45, 7.990, 326.518



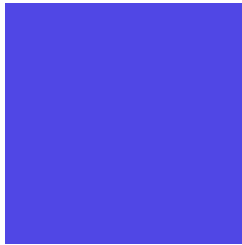
42, 84.573, 330.630



8, 35.735, 330.241

Previews

White Background



This preview shows how the CIELCh color 41, 93.297, 302.553 looks on a white background.

Color Contrast Check

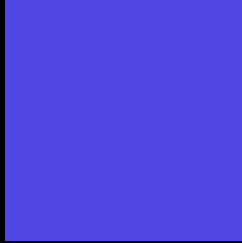
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.297, 302.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

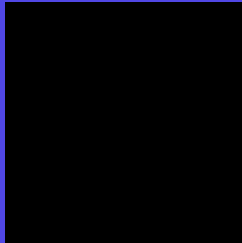
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 93.297, 302.553

Background



This preview shows how black text looks on a background with the CIELCh color 41, 93.297, 302.553.



This preview shows how white text looks on a background with the CIELCh color 41, 93.297, 302.553.

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, 93.297, 302.553

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 43.795, 273.417



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 93.297, 302.553

Protanomaly
40, 74.199, 293.195

Deuteranomaly
40, 61.481, 288.583

Tritanomaly
39, 39.538, 274.151

Monochromacy



Original Color
41, 93.297, 302.553

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 35.659, 297.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 93.297, 302.553 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(80, 71, 229)` looks like.

```
.text, #text, p{  
    color:rgb(80, 71, 229)  
}
```

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(80, 71, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 71, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 93.297, 302.553 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(80, 71, 229) }
```

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

```
.border{ border-color:rgb(80, 71, 229) }
```

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

Here you see how a box with a 4 pixel rgb(80, 71, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 71, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 71, 229);  
box-shadow:4px 4px 4px 4px rgb(80, 71,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 93.297, 302.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 71, 229) }
```

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

```
.background{ background-color: rgb(80, 71,  
229) }
```

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