

Converting Colors

CIELCh(40, 87.820, 299.595)

Have a look what the booklet for
CIELCh(40, 87.820, 299.595)
contains.

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Color

CIELCh(40, 87.741, 299.574)

Conversions

Conversions Part 1

Format	Color
Hex	3C4BDE
RGB	60, 75, 222
RGB Percent	24%, 29%, 87%
CMY	0.7651, 0.7061, 0.1297
CMYK	0.73, 0.66, 0.00, 0.13
HSL	234°, 71%, 55%
HSV	234°, 73%, 87%
XYZ	17.5435, 11.2510, 70.3018
YIQ	87.2730, -56.1270, 42.5370

Conversions

Conversions Part 2

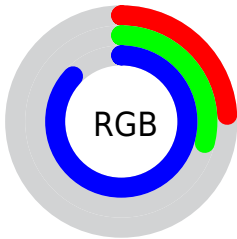
Format	Color
R_{YB}	60, 74, 222
Decimal	3951582
CIE _{Lab}	40.00, 43.30, -76.31
CIE _{LCh}	40, 87.741, 299.574
Yxy	11.2510, 0.1770, 0.1135
Android (android.graphics.Color)	4282141662 (0xFF3C4BDE)
YUV	87.2730, 66.4204, -23.9184
Hunter-Lab	33.5425, 34.6603, -100.7865

Details

The CIELCh color **40, 87.741, 299.574** 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 **82, 71.092, 98.594**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 74.030, 298.794**, and **23, 84.976, 302.611** is the 20% darker color. If you saturate the color by 10%, you get **35, 100.242, 302.067**, and if you desaturate by 10%, it is **46, 74.614, 297.023**.

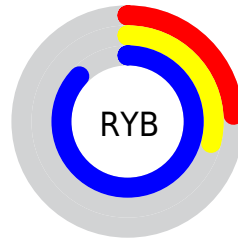
Distribution



 Red (24%)

 Green (29%)

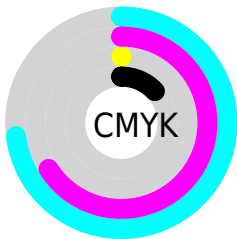
 Blue (87%)




 Red (24%)

 Yellow (29%)

 Blue (87%)

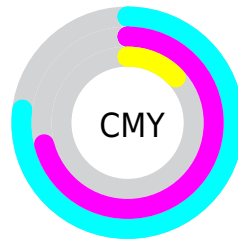


 Cyan (73%)

 Magenta (66%)

 Yellow (0%)

 Black (13%)



 Cyan (77%)


 Magenta (71%)

 Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 87.741, 299.574 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 40, 87.741, 299.574 by changing the saturation by 10% instead.


 40, 87.741,
299.574


 40, 87.741,
299.574


 100, 87.741,
299.574


 30, 87.741,
299.574

 60, 87.741,
299.574


 20, 87.741,
299.574

 70, 87.741,
299.574

 10, 87.741,
299.574

 80, 87.741,
299.574

 0, 87.741, 299.574

 90, 87.741,
299.574

 40, 87.741,

 40, 87.741,

299.574

299.574

■ 35, 100.242,
302.067

■ 46, 74.614,
297.023

■ 31, 110.758,
304.191

■ 52, 61.598,
294.620

■ 29, 116.087,
305.257

■ 59, 48.987,
292.469


■ 66, 36.858,
290.599

■ 73, 25.204,
288.998

■ 80, 13.992,
287.636

■ 86, 3.187, 286.500

■ 93, 7.242, 105.457

 99, 16.729,
108.913

Harmonies

Complementary

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



40, 87.741, 299.574



82, 71.092, 98.594

Rectangle

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



40, 87.741, 299.574



40, 87.741, 349.574



40, 87.741, 119.574



40, 87.741, 169.574

Sweetspot

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



40, 87.742, 299.575



83, 26.931, 288.875



81, 44.445, 185.080



42, 18.188, 289.282



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 87.742, 299.575



38, 118.353, 303.339



43, 93.916, 309.950



43, 6.124, 287.204



22, 96.810, 305.026



3, 29.599, 293.877

Inverse Universe

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



51, 69.303, 25.273



55, 91.811, 31.972



82, 81.146, 122.607



44, 4.755, 12.443



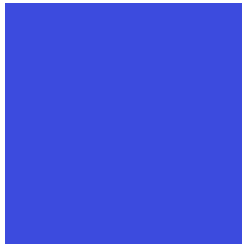
36, 75.253, 36.046



6, 25.356, 17.028

Previews

White Background



This preview shows how the CIE LCh color 40, 87.741, 299.574 looks on a white background.

Color Contrast Check

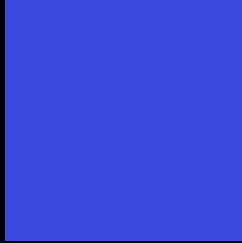
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 87.741, 299.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

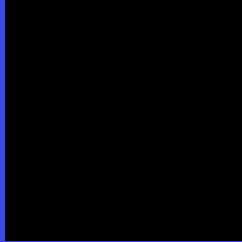
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 87.741, 299.574

Background



This preview shows how black text looks on a background with the CIELCh color 40, 87.741, 299.574.



This preview shows how white text looks on a background with the CIELCh color 40, 87.741, 299.574.

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

40, 87.741, 299.574

Protanopia

40, 61.671, 286.878

Deuteranopia

40, 42.775, 273.331



Tritanopia
40, 25.103, 206.536

Trichromacy



Original Color
40, 87.741, 299.574

Protanomaly
39, 70.913, 291.930

Deuteranomaly
39, 58.809, 287.180

Tritanomaly
38, 37.657, 271.268

Monochromacy



Original Color
40, 87.741, 299.574

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 32.729, 291.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 87.741, 299.574 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(60, 75, 222)` looks like.

```
.text, #text, p{  
    color:rgb(60, 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(60, 75, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 75, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 87.741, 299.574 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(60, 75, 222) }
```

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

```
.border{ border-color:rgb(60, 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(60, 75, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 75, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 75, 222);  
box-shadow:4px 4px 4px 4px rgb(60, 75,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 87.741, 299.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 75, 222) }
```

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

```
.background{ background-color: rgb(60, 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](#).

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