

Converting Colors

CIELCh(40, 86.680, 301.771)

Have a look what the booklet for
CIELCh(40, 86.680, 301.771)
contains.

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Color

CIELCh(40, 86.437, 301.714)

Conversions

Conversions Part 1

Format	Color
Hex	4D48D9
RGB	77, 72, 217
RGB Percent	30%, 28%, 85%
CMY	0.6974, 0.7172, 0.1485
CMYK	0.64, 0.67, 0.00, 0.15
HSL	242°, 66%, 57%
HSV	242°, 67%, 85%
XYZ	17.9409, 11.2510, 66.9648
YIQ	90.0250, -43.5650, 46.1550

Conversions

Conversions Part 2

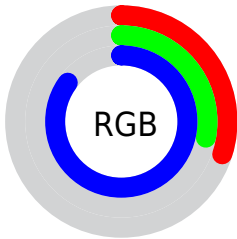
Format	Color
R _Y B	77, 72, 217
Decimal	5064921
CIE Lab	40.00, 45.44, -73.53
CIE LCh	40, 86.437, 301.714
Yxy	11.2510, 0.1866, 0.1170
Android (android.graphics.Color)	4283255001 (0xFF4D48D9)
YUV	90.0250, 62.5987, -11.4229
Hunter-Lab	33.5425, 36.7754, -94.8879

Details

The CIELCh color **40, 86.437, 301.714** 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 **84, 70.244, 105.889**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 75.205, 301.568**, and **21, 85.540, 303.347** is the 20% darker color. If you saturate the color by 10%, you get **34, 99.581, 303.667**, and if you desaturate by 10%, it is **46, 72.488, 299.685**.

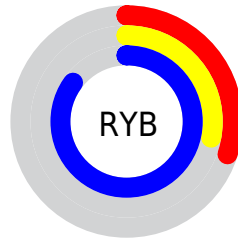
Distribution



Red (30%)

Green (28%)

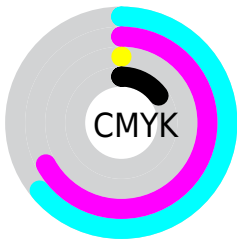
Blue (85%)



Red (30%)

Yellow (28%)

Blue (85%)

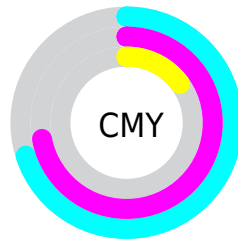


Cyan (64%)

Magenta (67%)

Yellow (0%)

Black (15%)



Cyan (70%)


Magenta (72%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 86.437, 301.714 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, 86.437, 301.714 by changing the saturation by 10% instead.


 40, 86.437,
301.714


 40, 86.437,
301.714


 100, 86.437,
301.714


 30, 86.437,
301.714

 60, 86.437,
301.714


 20, 86.437,
301.714

 70, 86.437,
301.714


 10, 86.437,
301.714

 80, 86.437,
301.714

 0, 86.437, 301.714

 90, 86.437,
301.714

 40, 86.437,

 40, 86.437,

301.714

■ 34, 99.581,
303.667

■ 30, 110.334,
305.240

■ 27, 116.863,
306.142

■ 27, 118.360,
306.371

301.714

■ 46, 72.488,
299.685

■ 53, 58.595,
297.768

■ 60, 45.116,
296.052


■ 68, 32.163,
294.562

■ 75, 19.743,
293.286

■ 82, 7.829, 292.203

■ 89, 3.614, 111.257

■ 96, 14.622,
110.483

 99, 19.141,
108.729

Harmonies

Complementary

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



40, 86.437, 301.714



84, 70.244, 105.889

Rectangle

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



40, 86.437, 301.714



40, 86.437, 351.714



40, 86.437, 121.714



40, 86.437, 171.714

Sweetspot

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



40, 86.437, 301.715



84, 26.981, 293.696



78, 37.661, 200.805



42, 18.517, 294.056



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, 86.437, 301.715



39, 117.655, 304.350



47, 84.701, 313.289



42, 6.632, 292.472



20, 100.033, 306.398



2, 29.642, 295.776

Inverse Universe

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



56, 84.134, 328.801



62, 106.077, 329.259



79, 77.306, 127.461



43, 7.814, 325.889



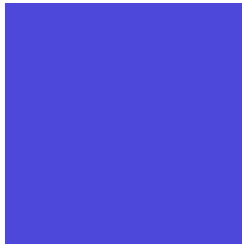
41, 84.225, 329.663



7, 33.730, 329.341

Previews

White Background



This preview shows how the CIELCh color 40, 86.437, 301.714 looks on a white background.

Color Contrast Check

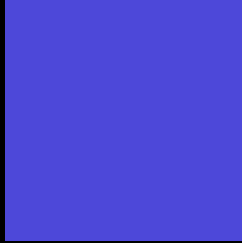
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.437, 301.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

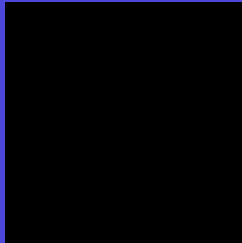
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 86.437, 301.714

Background



This preview shows how black text looks on a background with the CIELCh color 40, 86.437, 301.714.




This preview shows how white text looks on a background with the CIELCh color 40, 86.437, 301.714.

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, 25.044, 208.030

Trichromacy



Original Color
40, 86.437, 301.714

Protanomaly
39, 71.587, 292.827

Deuteranomaly
39, 58.799, 287.900

Tritanomaly
38, 37.443, 272.559

Monochromacy



Original Color
40, 86.437, 301.714

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 32.694, 296.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 86.437, 301.714 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(77, 72, 217)` looks like.

```
.text, #text, p{  
    color:rgb(77, 72, 217)  
}
```

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(77, 72, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 72, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 86.437, 301.714 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(77, 72, 217) }
```

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

```
.border{ border-color:rgb(77, 72, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 72, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 72, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 72, 217);  
box-shadow:4px 4px 4px 4px rgb(77, 72,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 86.437, 301.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 72, 217) }
```

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

```
.background{ background-color: rgb(77, 72,  
217) }
```

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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