

Converting Colors

CIELCh(40, 100.852, 302.334)

Have a look what the booklet for
CIELCh(40, 100.852, 302.334)
contains.

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Color

CIELCh(40, 101.293, 302.433)

Conversions

Conversions Part 1

Format	Color
Hex	4242EE
RGB	66, 66, 238
RGB Percent	26%, 26%, 93%
CMY	0.7405, 0.7408, 0.0662
CMYK	0.72, 0.72, 0.00, 0.07
HSL	240°, 84%, 60%
HSV	240°, 72%, 93%
XYZ	19.6608, 11.2510, 82.1119
YIQ	85.6080, -55.2120, 53.4920

Conversions

Conversions Part 2

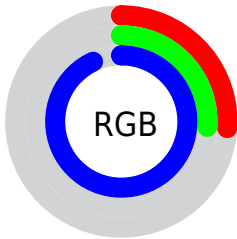
Format	Color
R _Y B	66, 66, 238
Decimal	4342510
CIE Lab	40.00, 54.32, -85.49
CIE LCh	40, 101.293, 302.433
Yxy	11.2510, 0.1740, 0.0995
Android (android.graphics.Color)	4282532590 (0xFF4242EE)
YUV	85.6080, 75.1293, -17.1962
Hunter-Lab	33.5425, 45.9276, -121.6621

Details

The CIELCh color **40, 101.293, 302.433** 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 **92, 80.018, 103.788**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 78.886, 302.126**, and **23, 98.216, 304.840** is the 20% darker color. If you saturate the color by 10%, you get **35, 114.261, 304.390**, and if you desaturate by 10%, it is **47, 86.510, 300.219**.

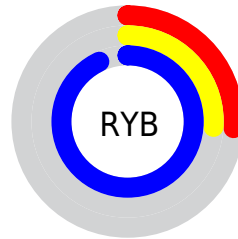
Distribution



Red (26%)

Green (26%)

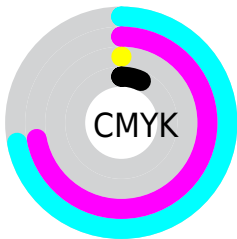
Blue (93%)



Red (26%)

Yellow (26%)

Blue (93%)

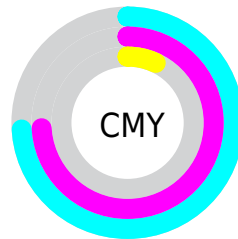


Cyan (72%)

Magenta (72%)

Yellow (0%)

Black (7%)



Cyan (74%)


Magenta (74%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 101.293, 302.433 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, 101.293, 302.433 by changing the saturation by 10% instead.


 40, 101.293,
302.433


 40, 101.293,
302.433


 100, 101.293,
302.433


 30, 101.293,
302.433


 60, 101.293,
302.433


 20, 101.293,
302.433

 70, 101.293,
302.433


 10, 101.293,
302.433

 80, 101.293,
302.433

 0, 101.293,
302.433

 90, 101.293,
302.433

 40, 101.293,

 40, 101.293,

302.433

302.433

■ 35, 114.261,
304.390

■ 47, 86.510,
300.219

■ 31, 123.275,
305.733

■ 54, 71.355,
298.031

■ 30, 127.051,
306.288

■ 61, 56.508,
296.031

■ 69, 42.207,
294.278

■ 77, 28.501,
292.775

■ 85, 15.368,
291.501

■ 92, 2.769, 290.442

■ 100, 8.548,
109.529

Harmonies

Complementary

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



40, 101.293, 302.433



92, 80.018, 103.788

Rectangle

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



40, 101.293, 302.433



40, 101.293, 352.433



40, 101.293, 122.433



40, 101.293, 172.433

Sweetspot

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



40, 101.294, 302.434



82, 29.788, 292.753



86, 43.677, 196.623



41, 20.131, 293.137



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, 101.294, 302.434



35, 125.825, 305.169



48, 97.822, 312.502



46, 7.132, 291.185



22, 104.553, 306.289



3, 37.810, 298.761

Inverse Universe

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



60, 97.485, 327.862



61, 112.287, 328.154



86, 87.604, 126.322



47, 8.605, 324.956



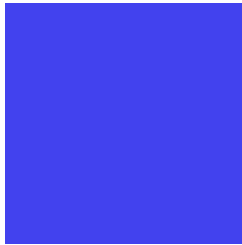
44, 90.263, 328.252



10, 39.405, 328.249

Previews

White Background



This preview shows how the CIELCh color 40, 101.293, 302.433 looks on a white background.

Color Contrast Check

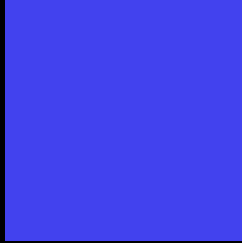
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 101.293, 302.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

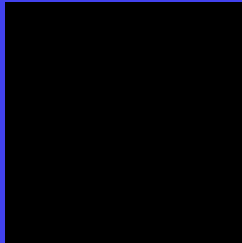
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 101.293, 302.433

Background



This preview shows how black text looks on a background with the CIELCh color 40, 101.293, 302.433.



This preview shows how white text looks on a background with the CIELCh color 40, 101.293, 302.433.

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, 101.293, 302.433

Protanopia

40, 61.110, 286.639

Trichromacy



Original Color
40, 101.293, 302.433



Protanomaly
39, 76.292, 294.101

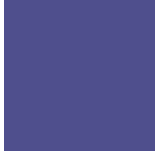
Monochromacy



Original Color
40, 101.293, 302.433



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 38.397, 296.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 101.293, 302.433 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(66, 66, 238)` looks like.

```
.text, #text, p{  
    color:rgb(66, 66, 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(66, 66, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 66, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 101.293, 302.433 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(66, 66, 238) }
```

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

```
.border{ border-color:rgb(66, 66, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 66, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 66, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 66, 238);  
box-shadow:4px 4px 4px 4px rgb(66, 66,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 101.293, 302.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 66, 238) }
```

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

```
.background{ background-color: rgb(66, 66,  
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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