

Converting Colors

CIELCh(40, 99.579, 301.915)

Have a look what the booklet for
CIELCh(40, 99.579, 301.915)
contains.

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Color

CIELCh(40, 99.227, 301.819)

Conversions

Conversions Part 1

Format	Color
Hex	3F44EC
RGB	63, 68, 236
RGB Percent	25%, 27%, 93%
CMY	0.7528, 0.7333, 0.0744
CMYK	0.73, 0.71, 0.00, 0.07
HSL	238°, 82%, 59%
HSV	238°, 73%, 93%
XYZ	19.2628, 11.2510, 80.5278
YIQ	85.6570, -56.9080, 51.1880

Conversions

Conversions Part 2

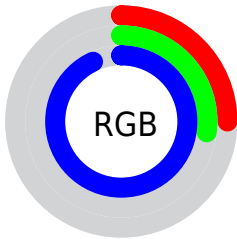
Format	Color
R _{YB}	63, 68, 236
Decimal	4146412
CIE _{Lab}	40.00, 52.32, -84.31
CIE _{LCh}	40, 99.227, 301.819
Yxy	11.2510, 0.1735, 0.1013
Android (android.graphics.Color)	4282336492 (0xFF3F44EC)
YUV	85.6570, 74.1191, -19.8702
Hunter-Lab	33.5425, 43.8100, -118.8620

Details

The CIELCh color **40, 99.227, 301.819** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **90, 78.512, 102.201**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 77.674, 301.329**, and **23, 96.138, 304.466** is the 20% darker color. If you saturate the color by 10%, you get **35, 112.102, 303.924**, and if you desaturate by 10%, it is **46, 84.819, 299.496**.

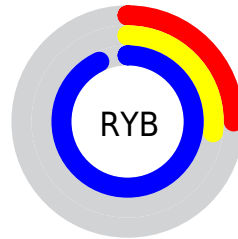
Distribution



Red (25%)

Green (27%)

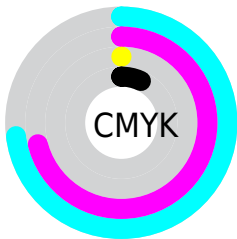
Blue (93%)



Red (25%)

Yellow (27%)

Blue (93%)

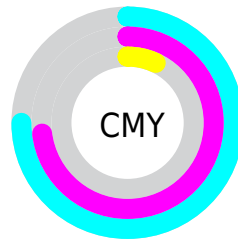


Cyan (73%)

Magenta (71%)

Yellow (0%)

Black (7%)



Cyan (75%)


Magenta (73%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 99.227, 301.819 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, 99.227, 301.819 by changing the saturation by 10% instead.


 40, 99.227,
301.819


 40, 99.227,
301.819


 100, 99.227,
301.819


 30, 99.227,
301.819

 60, 99.227,
301.819


 20, 99.227,
301.819

 70, 99.227,
301.819

 10, 99.227,
301.819

 80, 99.227,
301.819

 0, 99.227, 301.819

 90, 99.227,
301.819

 40, 99.227,

 40, 99.227,

301.819

301.819

■ 35, 112.102,
303.924

■ 46, 84.819,
299.496

■ 31, 121.472,
305.461

■ 53, 70.156,
297.224

■ 30, 125.041,
306.032

■ 61, 55.825,
295.154

■ 68, 42.027,
293.342

■ 76, 28.795,
291.788

■ 83, 16.105,
290.468

■ 91, 3.917, 289.364

■ 98, 7.807, 108.380

100, 9.608,
109.450

Harmonies

Complementary

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



40, 99.227, 301.819



90, 78.512, 102.201

Rectangle

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



40, 99.227, 301.819



40, 99.227, 351.819



40, 99.227, 121.819



40, 99.227, 171.819

Sweetspot

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



40, 99.228, 301.820



82, 28.890, 291.618



85, 44.503, 192.578



42, 19.520, 292.009



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, 99.228, 301.820



36, 124.508, 304.796



46, 98.534, 311.644



45, 6.801, 290.019



22, 102.148, 305.933



3, 35.018, 297.228

Inverse Universe

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



54, 75.536, 29.901



54, 95.497, 35.696



86, 87.067, 125.149



46, 4.904, 17.610



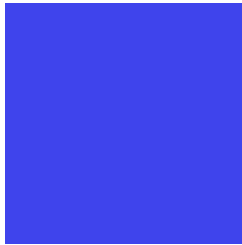
38, 79.569, 38.810



7, 28.412, 21.551

Previews

White Background



This preview shows how the CIELCh color 40, 99.227, 301.819 looks on a white background.

Color Contrast Check

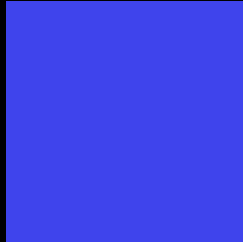
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.227, 301.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

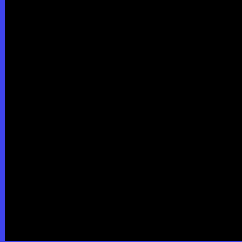
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 99.227, 301.819

Background



This preview shows how black text looks on a background with the CIELCh color 40, 99.227, 301.819.



This preview shows how white text looks on a background with the CIELCh color 40, 99.227, 301.819.

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, 99.227, 301.819

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 42.255, 272.815



Tritanopia
40, 25.177, 205.050

Trichromacy



Original Color
40, 99.227, 301.819

Protanomaly
39, 75.652, 293.732

Deuteranomaly
39, 62.912, 289.264

Tritanomaly
38, 41.340, 275.846

Monochromacy



Original Color
40, 99.227, 301.819

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 38.400, 295.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 99.227, 301.819 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(63, 68, 236)` looks like.

```
.text, #text, p{  
    color:rgb(63, 68, 236)  
}
```

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(63, 68, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 68, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 99.227, 301.819 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(63, 68, 236) }
```

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

```
.border{ border-color:rgb(63, 68, 236) }
```

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

Here you see how a box with a 4 pixel rgb(63, 68, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 68, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 68, 236);  
box-shadow:4px 4px 4px 4px rgb(63, 68,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 99.227, 301.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 68, 236) }
```

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

```
.background{ background-color: rgb(63, 68,  
236) }
```

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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