

Converting Colors

CIELCh(40, 117.375, 308.323)

Have a look what the booklet for
CIELCh(40, 117.375, 308.323)
contains.

CIELCh(40, 117.469, 308.342)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(40, 117.469, 308.342)

Conversions

Conversions Part 1

Format	Color
Hex	6727FA
RGB	103, 39, 250
RGB Percent	40%, 15%, 98%
CMY	0.5957, 0.8468, 0.0193
CMYK	0.59, 0.84, 0.00, 0.02
HSL	258°, 96%, 57%
HSV	258°, 84%, 98%
XYZ	23.5972, 11.2510, 91.4290
YIQ	82.1900, -29.5870, 79.1890

Conversions

Conversions Part 2

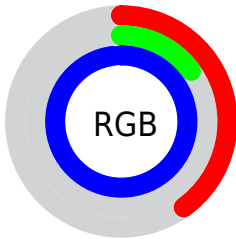
Format	Color
R _Y B	103, 39, 250
Decimal	6760442
CIE Lab	40.00, 72.87, -92.13
CIE LCh	40, 117.469, 308.342
Yxy	11.2510, 0.1869, 0.0891
Android (android.graphics.Color)	4284950522 (0xFF6727FA)
YUV	82.1900, 82.7303, 18.2504
Hunter-Lab	33.5425, 66.8760, -138.1310

Details

The CIELCh color **40, 117.469, 308.342** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **91, 95.121, 118.911**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 90.511, 311.052**, and **23, 108.096, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 125.319, 308.366**, and if you desaturate by 10%, it is **45, 105.956, 307.846**.

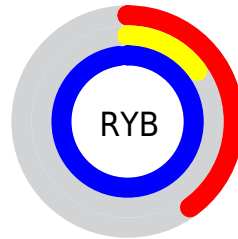
Distribution



Red (40%)

Green (15%)

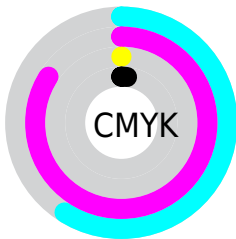
Blue (98%)



Red (40%)

Yellow (15%)

Blue (98%)

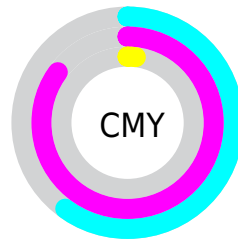


Cyan (59%)

Magenta (84%)

Yellow (0%)

Black (2%)



Cyan (60%)


Magenta (85%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 117.469, 308.342 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, 117.469, 308.342 by changing the saturation by 10% instead.


 40, 117.469,
308.342


 40, 117.469,
308.342


 100, 117.469,
308.342


 30, 117.469,
308.342


 60, 117.469,
308.342


 20, 117.469,
308.342


 70, 117.469,
308.342

 10, 117.469,
308.342

 80, 117.469,
308.342

 0, 117.469,
308.342

 90, 117.469,
308.342

 40, 117.469,

 40, 117.469,

308.342

308.342

■ 36, 125.319,
308.366

■ 45, 105.956,
307.846

■ 35, 128.160,
308.203

■ 51, 92.217,
307.061

■ 58, 77.468,
306.151

■ 65, 62.479,
305.224

■ 73, 47.667,
304.342

■ 80, 33.231,
303.535

■ 88, 19.255,
302.813

■ 95, 5.763, 302.171

100, 2.488,
109.961

Harmonies

Complementary

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



40, 117.469, 308.342



91, 95.121, 118.911

Rectangle

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



40, 117.469, 308.342



40, 117.469, 358.342



40, 117.469, 128.342



40, 117.469, 178.342

Sweetspot

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



40, 117.470, 308.343



81, 34.665, 303.585



71, 44.469, 249.504



40, 23.794, 303.862



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, 117.470, 308.343



36, 130.086, 308.194



54, 110.289, 321.235



48, 7.545, 302.491



25, 103.510, 308.357



4, 42.844, 307.325

Inverse Universe

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



57, 88.689, 342.624



57, 91.765, 345.584



87, 109.221, 134.328



49, 7.202, 335.047



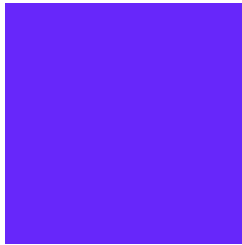
42, 73.431, 345.169



10, 34.070, 342.421

Previews

White Background



This preview shows how the CIELCh color 40, 117.469, 308.342 looks on a white background.

Color Contrast Check

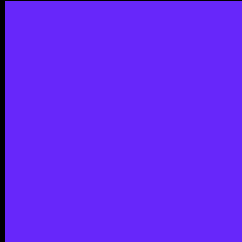
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.469, 308.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

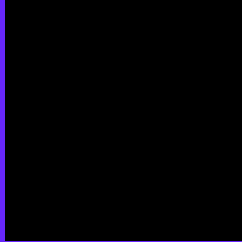
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 117.469, 308.342

Background



This preview shows how black text looks on a background with the CIELCh color 40, 117.469, 308.342.



This preview shows how white text looks on a background with the CIELCh color 40, 117.469, 308.342.

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, 117.469, 308.342

Protanopia

40, 60.480, 286.162

Deuteranopia

40, 41.737, 271.971



Tritanopia
40, 19.615, 211.816

Trichromacy



Original Color
40, 117.469, 308.342

Protanomaly
37, 84.681, 297.887

Deuteranomaly
37, 72.095, 294.916

Tritanomaly
36, 50.542, 293.315

Monochromacy



Original Color
40, 117.469, 308.342

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 48.560, 306.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 117.469, 308.342 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(103, 39, 250)` looks like.

```
.text, #text, p{  
    color:rgb(103, 39, 250)  
}
```

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(103, 39, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 39, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 117.469, 308.342 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(103, 39, 250) }
```

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

```
.border{ border-color:rgb(103, 39, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 39, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 39, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 39, 250); box-shadow:4px 4px 4px 4px rgb(103, 39, 250) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 117.469, 308.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 39, 250) }
```

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

```
.background{ background-color: rgb(103, 39,  
250) }
```

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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