

Converting Colors

CIELCh(40, 118.842, 308.275)

Have a look what the booklet for
CIELCh(40, 118.842, 308.275)
contains.

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Color

CIELCh(40, 118.799, 308.284)

Conversions

Conversions Part 1

Format	Color
Hex	6626FC
RGB	102, 38, 252
RGB Percent	40%, 15%, 99%
CMY	0.5997, 0.8508, 0.0115
CMYK	0.60, 0.85, 0.00, 0.01
HSL	258°, 97%, 57%
HSV	258°, 85%, 99%
XYZ	23.7622, 11.2510, 93.0634
YIQ	81.5320, -30.5500, 80.1220

Conversions

Conversions Part 2

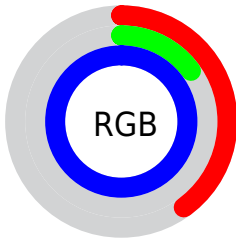
Format	Color
R_{YB}	102, 38, 252
Decimal	6694652
CIE _{Lab}	40.00, 73.60, -93.25
CIE _{LCh}	40, 118.799, 308.284
Yxy	11.2510, 0.1855, 0.0878
Android (android.graphics.Color)	4284884732 (0xFF6626FC)
YUV	81.5320, 84.0407, 17.9504
Hunter-Lab	33.5425, 67.7541, -141.0200

Details

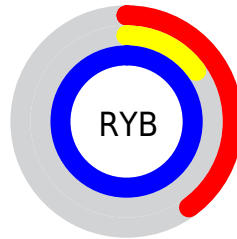
The CIELCh color **40, 118.799, 308.284** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **92, 95.902, 118.748**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 91.060, 310.990**, and **23, 108.935, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 126.475, 308.290**, and if you desaturate by 10%, it is **45, 107.352, 307.795**.

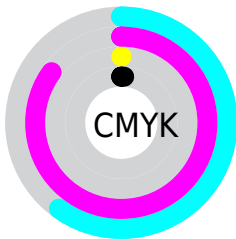
Distribution



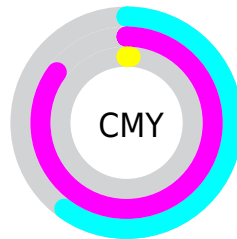
- Red (40%)
- Green (15%)
- Blue (99%)



- Red (40%)
- Yellow (15%)
- Blue (99%)



- Cyan (60%)
- Magenta (85%)
- Yellow (0%)
- Black (1%)





- Cyan (60%)
- Magenta (85%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 118.799, 308.284 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, 118.799, 308.284 by changing the saturation by 10% instead.


 40, 118.799,
308.284


 40, 118.799,
308.284


 100, 118.799,
308.284


 30, 118.799,
308.284


 60, 118.799,
308.284


 20, 118.799,
308.284


 70, 118.799,
308.284


 10, 118.799,
308.284

 80, 118.799,
308.284

 0, 118.799,
308.284

 90, 118.799,
308.284

 40, 118.799,

 40, 118.799,

308.284

308.284

■ 36, 126.475,
308.290

■ 45, 107.352,
307.795

■ 35, 129.030,
308.145

■ 51, 93.586,
307.006

■ 58, 78.756,
306.085

■ 65, 63.660,
305.145

■ 73, 48.733,
304.250

■ 80, 34.182,
303.430

■ 88, 20.096,
302.697

■ 95, 6.498, 302.046

100, 1.480,
110.015

Harmonies

Complementary

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



40, 118.799, 308.284



92, 95.902, 118.748

Rectangle

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



40, 118.799, 308.284



40, 118.799, 358.284



40, 118.799, 128.284



40, 118.799, 178.284

Sweetspot

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



40, 118.800, 308.285



81, 34.649, 303.439



73, 44.107, 246.735



40, 23.784, 303.718



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, 118.800, 308.285



36, 130.179, 308.140



53, 111.439, 320.676



48, 7.541, 302.336



25, 103.585, 308.302



4, 42.832, 307.220

Inverse Universe

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



58, 89.633, 342.450



57, 92.014, 345.260



88, 109.857, 134.047



49, 7.224, 334.872



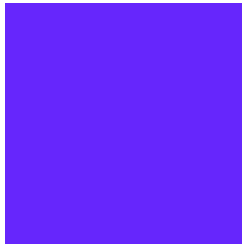
42, 73.630, 344.854



10, 34.157, 342.165

Previews

White Background



This preview shows how the CIELCh color 40, 118.799, 308.284 looks on a white background.

Color Contrast Check

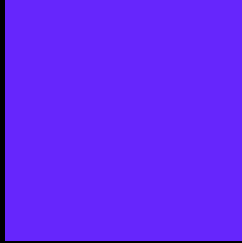
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.799, 308.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

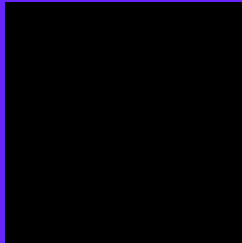
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 118.799, 308.284

Background



This preview shows how black text looks on a background with the CIELCh color 40, 118.799, 308.284.



This preview shows how white text looks on a background with the CIELCh color 40, 118.799, 308.284.

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, 118.799, 308.284

Protanopia

40, 60.480, 286.162

Deuteranopia

40, 41.737, 271.971



Tritanopia
40, 20.810, 210.827

Trichromacy



Original Color
40, 118.799, 308.284

Protanomaly
38, 85.225, 297.969

Deuteranomaly
37, 72.659, 295.038

Tritanomaly
36, 51.189, 292.729

Monochromacy



Original Color
40, 118.799, 308.284

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 49.125, 305.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 118.799, 308.284 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(102, 38, 252)` looks like.

```
.text, #text, p{  
    color:rgb(102, 38, 252)  
}
```

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(102, 38, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 38, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 118.799, 308.284 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(102, 38, 252) }
```

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

```
.border{ border-color:rgb(102, 38, 252) }
```

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

Here you see how a box with a 4 pixel rgb(102, 38, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 38, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 38, 252);  
box-shadow:4px 4px 4px 4px rgb(102, 38,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 118.799, 308.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 38, 252) }
```

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

```
.background{ background-color: rgb(102, 38,  
252) }
```

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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