

Converting Colors

CIELCh(40, 115.357, 312.802)

Have a look what the booklet for
CIELCh(40, 115.357, 312.802)
contains.

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Color

CIELCh(40, 115.361, 312.858)

Conversions

Conversions Part 1

Format	Color
Hex	840CED
RGB	132, 12, 237
RGB Percent	52%, 5%, 93%
CMY	0.4830, 0.9545, 0.0712
CMYK	0.44, 0.95, 0.00, 0.07
HSL	272°, 91%, 49%
HSV	272°, 95%, 93%
XYZ	24.8800, 11.2510, 80.8615
YIQ	73.5300, -0.7050, 95.4150

Conversions

Conversions Part 2

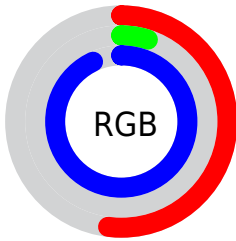
Format	Color
RYB	132, 12, 237
Decimal	8654061
CIELab	40.00, 78.47, -84.56
CIELCh	40, 115.361, 312.858
Yxy	11.2510, 0.2127, 0.0962
Android (android.graphics.Color)	4286844141 (0xFF840CED)
YUV	73.5300, 80.5907, 51.2782
Hunter-Lab	33.5425, 73.7026, -119.4518

Details

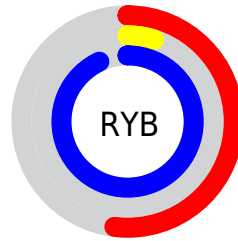
The CIELCh color **40, 115.361, 312.858** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **84, 102.843, 128.818**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 96.161, 316.451**, and **25, 98.746, 309.318** is the 20% darker color. If you saturate the color by 10%, you get **39, 117.329, 312.517**, and if you desaturate by 10%, it is **43, 109.449, 313.351**.

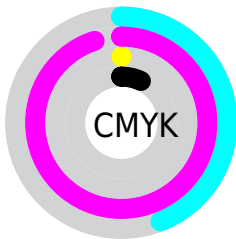
Distribution



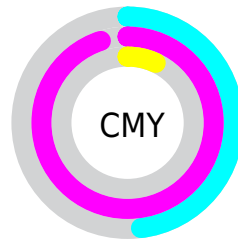
- Red (52%)
- Green (5%)
- Blue (93%)



- Red (52%)
- Yellow (5%)
- Blue (93%)



- Cyan (44%)
- Magenta (95%)
- Yellow (0%)
- Black (7%)





- Cyan (48%)
- Magenta (95%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 115.361, 312.858 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, 115.361, 312.858 by changing the saturation by 10% instead.


 40, 115.361,
312.858


 40, 115.361,
312.858


 100, 115.361,
312.858


 30, 115.361,
312.858


 60, 115.361,
312.858


 20, 115.361,
312.858


 70, 115.361,
312.858

 10, 115.361,
312.858

 80, 115.361,
312.858

 0, 115.361,
312.858

 90, 115.361,
312.858

 40, 115.361,

 40, 115.361,

312.858

312.858

■ 39, 117.329,
312.517

■ 43, 109.449,
313.351

■ 47, 100.312,
313.452

■ 52, 88.768,
313.266

■ 58, 75.730,
312.896

■ 64, 61.934,
312.427

■ 70, 47.883,
311.918

■ 77, 33.890,
311.405

■ 84, 20.135,
310.911

Harmonies

Complementary

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



40, 115.361, 312.858



84, 102.843, 128.818

Rectangle

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



40, 115.361, 312.858



40, 115.361, 2.858



40, 115.361, 132.858



40, 115.361, 182.858

Sweetspot

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



40, 115.361, 312.859



79, 41.752, 311.609



50, 70.337, 285.800



39, 28.773, 311.830



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, 115.361, 312.859



42, 124.125, 312.471



56, 105.706, 329.537



46, 7.458, 310.644



29, 95.776, 312.711



5, 37.847, 312.752

Inverse Universe

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



51, 79.150, 3.839



55, 84.424, 6.268



82, 111.557, 136.405



46, 5.828, 346.288



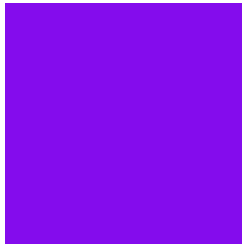
39, 65.306, 5.169



8, 28.322, 357.828

Previews

White Background



This preview shows how the CIELCh color 40, 115.361, 312.858 looks on a white background.

Color Contrast Check

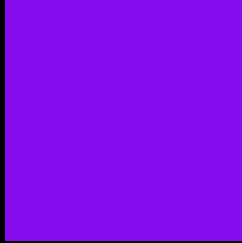
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.361, 312.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

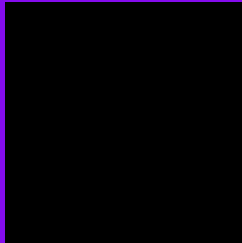
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 115.361, 312.858

Background



This preview shows how black text looks on a background with the CIELCh color 40, 115.361, 312.858.



This preview shows how white text looks on a background with the CIELCh color 40, 115.361, 312.858.

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, 115.361, 312.858

Protanopia

40, 61.532, 286.419

Deuteranopia

40, 43.283, 273.222



Tritanopia
40, 5.183, 324.770

Trichromacy



Original Color
40, 115.361, 312.858

Protanomaly
36, 88.438, 300.518

Deuteranomaly
35, 76.636, 298.437

Tritanomaly
36, 55.024, 313.827

Monochromacy



Original Color
40, 115.361, 312.858

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 52.832, 312.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 115.361, 312.858 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(132, 12, 237)` looks like.

```
.text, #text, p{  
    color:rgb(132, 12, 237)  
}
```

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(132, 12, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 12, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 115.361, 312.858 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(132, 12, 237) }
```

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

```
.border{ border-color:rgb(132, 12, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 12, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 12, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 12, 237);  
box-shadow:4px 4px 4px 4px rgb(132, 12,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 115.361, 312.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 12, 237) }
```

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

```
.background{ background-color: rgb(132, 12,  
237) }
```

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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