

Converting Colors

CIELCh(40, 112.752, 314.457)

Have a look what the booklet for
CIELCh(40, 112.752, 314.457)
contains.

CIELCh(40, 112.785, 314.478)	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, 112.785, 314.478)

Conversions

Conversions Part 1

Format	Color
Hex	8C00E6
RGB	140, 0, 230
RGB Percent	55%, 0%, 90%
CMY	0.4521, 0.9992, 0.0992
CMYK	0.39, 1.00, 0.00, 0.10
HSL	276°, 100%, 45%
HSV	276°, 100%, 90%
XYZ	25.0097, 11.2510, 75.5060
YIQ	68.0800, 9.6100, 101.2100

Conversions

Conversions Part 2

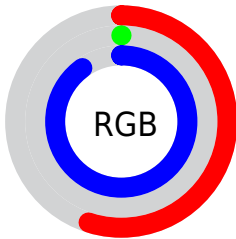
Format	Color
R_{YB}	140, 0, 230
Decimal	9175270
CIE _{Lab}	40.00, 79.02, -80.47
CIE _{LCh}	40, 112.785, 314.478
Yxy	11.2510, 0.2238, 0.1007
Android (android.graphics.Color)	4287365350 (0xFF8C00E6)
YUV	68.0800, 79.8266, 63.0738
Hunter-Lab	33.5425, 74.3924, -109.9854

Details

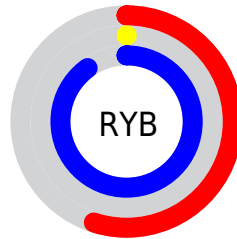
The CIELCh color **40, 112.785, 314.478** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **81, 104.377, 131.365**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 97.116, 317.813**, and **26, 94.339, 310.775** is the 20% darker color. If you saturate the color by 10%, you get **40, 112.818, 314.472**, and if you desaturate by 10%, it is **42, 108.720, 315.141**.

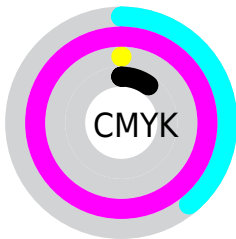
Distribution



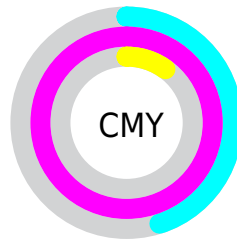
- Red (55%)
- Green (0%)
- Blue (90%)



- Red (55%)
- Yellow (0%)
- Blue (90%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (45%)
- Magenta (100%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 112.785, 314.478 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, 112.785, 314.478 by changing the saturation by 10% instead.


 40, 112.785,
314.478


 40, 112.785,
314.478


 100, 112.785,
314.478


 30, 112.785,
314.478


 60, 112.785,
314.478


 20, 112.785,
314.478


 70, 112.785,
314.478


 10, 112.785,
314.478

 80, 112.785,
314.478

 0, 112.785,
314.478

 90, 112.785,
314.478

 40, 112.785,

 40, 112.785,

314.478

314.478

■ 40, 112.818,
314.472

■ 42, 108.720,
315.141

■ 46, 101.773,
315.476

■ 50, 92.049,
315.498

■ 55, 80.333,
315.295

■ 60, 67.398,
314.949

■ 66, 53.851,
314.524

■ 72, 40.112,
314.064

■ 78, 26.446,
313.600

■ 85, 13.011,
313.147

Harmonies

Complementary

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



40, 112.785, 314.478



81, 104.377, 131.365

Rectangle

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



40, 112.785, 314.478



40, 112.785, 4.478



40, 112.785, 134.478



40, 112.785, 184.478

Sweetspot

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



40, 112.785, 314.478



79, 43.796, 314.076



43, 81.890, 292.965



39, 29.972, 314.273



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, 112.785, 314.478



45, 122.145, 314.410



53, 98.619, 332.726



45, 7.447, 313.127



31, 93.292, 314.651



5, 36.269, 314.876

Inverse Universe

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



49, 78.606, 13.205



54, 85.161, 13.591



80, 108.659, 136.772



45, 5.465, 350.712



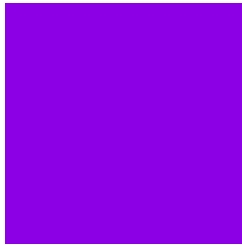
38, 64.969, 12.282



7, 26.877, 2.820

Previews

White Background



This preview shows how the CIELCh color 40, 112.785, 314.478 looks on a white background.

Color Contrast Check

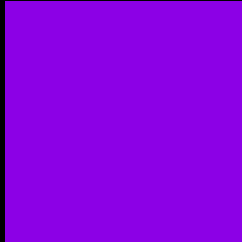
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.785, 314.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

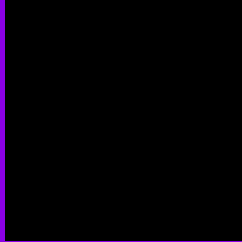
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 112.785, 314.478

Background



This preview shows how black text looks on a background with the CIELCh color 40, 112.785, 314.478.



This preview shows how white text looks on a background with the CIELCh color 40, 112.785,

314.478.

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, 112.903, 314.496

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 43.795, 273.417



Tritanopia
41, 10.269, 356.559

Trichromacy



Original Color
40, 112.903, 314.496

Protanomaly
35, 90.227, 301.518

Deuteranomaly
34, 78.017, 299.662

Tritanomaly
36, 56.494, 319.275

Monochromacy



Original Color
40, 112.903, 314.496

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 54.452, 315.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 112.785, 314.478 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(140, 0, 230)` looks like.

```
.text, #text, p{  
  color:rgb(140, 0, 230)  
}
```

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(140, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 112.785, 314.478 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(140, 0, 230) }
```

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

```
.border{ border-color:rgb(140, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 112.785, 314.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 230) }
```

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

```
.background{ background-color: rgb(140, 0,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor