

Converting Colors

CIELCh(40, 91.620, 312.055)

Have a look what the booklet for
CIELCh(40, 91.620, 312.055)
contains.

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Color

CIELCh(40, 91.620, 312.055)

Conversions

Conversions Part 1

Format	Color
Hex	7E32D0
RGB	126, 50, 208
RGB Percent	49%, 20%, 82%
CMY	0.5063, 0.8043, 0.1847
CMYK	0.39, 0.76, 0.00, 0.18
HSL	269°, 63%, 51%
HSV	269°, 76%, 82%
XYZ	21.1000, 11.2510, 60.6736
YIQ	90.7360, -5.4220, 65.2500

Conversions

Conversions Part 2

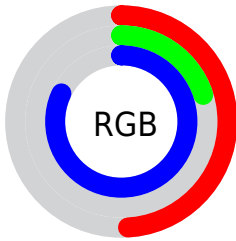
Format	Color
RYB	126, 50, 208
Decimal	8270544
CIELab	40.00, 61.37, -68.03
CIELCh	40, 91.620, 312.055
Yxy	11.2510, 0.2268, 0.1209
Android (android.graphics.Color)	4286460624 (0xFF7E32D0)
YUV	90.7360, 57.8112, 30.9265
Hunter-Lab	33.5425, 53.5867, -83.7674

Details

The CIELCh color **40, 91.620, 312.055** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **76, 81.108, 125.706**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 86.224, 313.150**, and **22, 85.857, 310.673** is the 20% darker color. If you saturate the color by 10%, you get **36, 100.155, 312.033**, and if you desaturate by 10%, it is **45, 80.961, 311.785**.

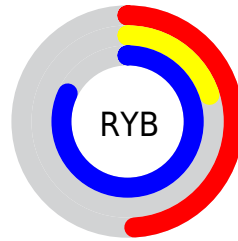
Distribution



Red (49%)

Green (20%)

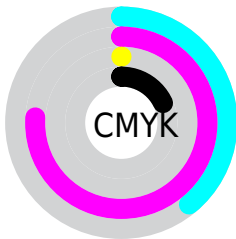
Blue (82%)



Red (49%)

Yellow (20%)

Blue (82%)

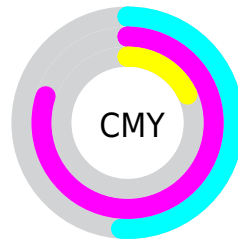


Cyan (39%)

Magenta (76%)

Yellow (0%)

Black (18%)



Cyan (51%)


Magenta (80%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 91.620, 312.055 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, 91.620, 312.055 by changing the saturation by 10% instead.


 40, 91.620,
312.055


 40, 91.620,
312.055


 100, 91.620,
312.055


 30, 91.620,
312.055

 60, 91.620,
312.055


 20, 91.620,
312.055

 70, 91.620,
312.055

 10, 91.620,
312.055

 80, 91.620,
312.055

 0, 91.620, 312.055

 90, 91.620,
312.055

 40, 91.620,

 40, 91.620,

312.055

312.055

■ 36, 100.155,
312.033

■ 45, 80.961,
311.785

■ 33, 105.761,
311.604

■ 50, 69.045,
311.337

■ 32, 107.512,
311.384

■ 56, 56.535,
310.799

■ 61, 43.871,
310.233

■ 68, 31.313,
309.676

■ 74, 19.006,
309.148

■ 80, 7.023, 308.654

■ 86, 4.604, 128.258

■ 92, 15.868,
127.850

Harmonies

Complementary

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



40, 91.620, 312.055



76, 81.108, 125.706

Rectangle

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



40, 91.620, 312.055



40, 91.620, 2.055



40, 91.620, 132.055



40, 91.620, 182.055

Sweetspot

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



40, 91.620, 312.055



83, 32.582, 309.529



54, 45.159, 270.095



42, 22.659, 309.727



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, 91.620, 312.055



43, 121.242, 311.825



51, 90.129, 326.812



41, 6.710, 308.820



26, 91.716, 311.552



3, 26.640, 306.759

Inverse Universe

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



49, 66.966, 352.754



56, 84.006, 357.565



74, 91.802, 137.100



41, 5.491, 343.367



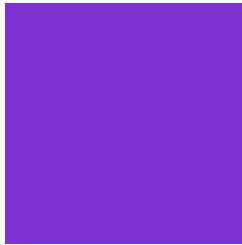
36, 62.352, 359.896



5, 22.011, 352.708

Previews

White Background



This preview shows how the CIELCh color 40, 91.620, 312.055 looks on a white background.

Color Contrast Check

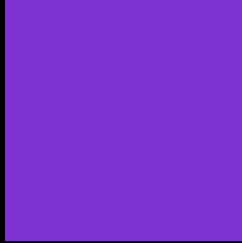
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.620, 312.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

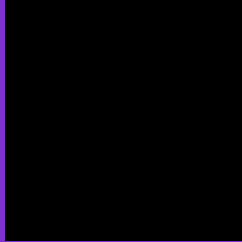
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 91.620, 312.055

Background



This preview shows how black text looks on a background with the CIELCh color 40, 91.620, 312.055.



This preview shows how white text looks on a background with the CIELCh color 40, 91.620, 312.055.

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](#).

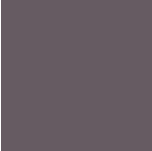
Dichromacy



Original Color
40, 91.620, 312.055

Protanopia
40, 61.601, 286.649

Deuteranopia
40, 43.811, 274.022



Tritanopia
40, 6.300, 337.681

Trichromacy



Original Color
40, 91.620, 312.055



Protanomaly
38, 74.196, 296.169



Deuteranomaly
37, 61.897, 292.591



Tritanomaly
39, 39.841, 313.303

Monochromacy



Original Color
40, 91.620, 312.055



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 37.079, 310.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 91.620, 312.055 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(126, 50, 208)` looks like.

```
.text, #text, p{  
    color:rgb(126, 50, 208)  
}
```

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(126, 50, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 50, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 91.620, 312.055 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(126, 50, 208) }
```

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

```
.border{ border-color:rgb(126, 50, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 50, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 50, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 50, 208);  
box-shadow:4px 4px 4px 4px rgb(126, 50,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 91.620, 312.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 50, 208) }
```

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

```
.background{ background-color: rgb(126, 50,  
208) }
```

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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