

Converting Colors

CIELCh(40, 81.898, 311.090)

Have a look what the booklet for
CIELCh(40, 81.898, 311.090)
contains.

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Color

CIELCh(40, 81.965, 311.067)

Conversions

Conversions Part 1

Format	Color
Hex	793BC5
RGB	121, 59, 197
RGB Percent	47%, 23%, 77%
CMY	0.5250, 0.7682, 0.2270
CMYK	0.39, 0.70, 0.00, 0.23
HSL	267°, 54%, 50%
HSV	267°, 70%, 77%
XYZ	19.5655, 11.2510, 54.0397
YIQ	93.2700, -7.3460, 56.0620

Conversions

Conversions Part 2

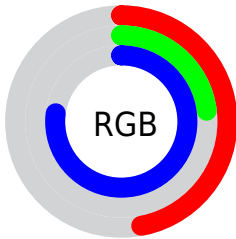
Format	Color
RYB	121, 59, 197
Decimal	7945157
CIELab	40.00, 53.85, -61.80
CIElCh	40, 81.965, 311.067
Yxy	11.2510, 0.2306, 0.1326
Android (android.graphics.Color)	4286135237 (0xFF793BC5)
YUV	93.2700, 51.1389, 24.3192
Hunter-Lab	33.5425, 45.4204, -72.0413

Details

The CIELCh color **40, 81.965, 311.067** 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 **73, 72.524, 124.477**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 82.128, 310.932**, and **20, 81.478, 310.927** is the 20% darker color. If you saturate the color by 10%, you get **36, 91.715, 311.309**, and if you desaturate by 10%, it is **45, 70.769, 310.611**.

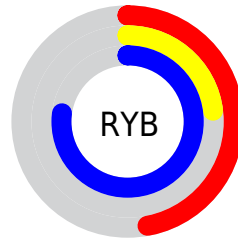
Distribution



Red (47%)

Green (23%)

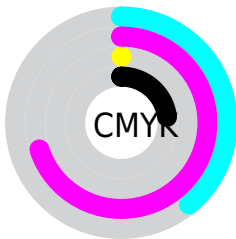
Blue (77%)



Red (47%)

Yellow (23%)

Blue (77%)

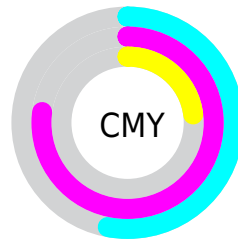


Cyan (39%)

Magenta (70%)

Yellow (0%)

Black (23%)



Cyan (53%)


Magenta (77%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 81.965, 311.067 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, 81.965, 311.067 by changing the saturation by 10% instead.


 40, 81.965,
311.067


 40, 81.965,
311.067


 100, 81.965,
311.067


 30, 81.965,
311.067

 60, 81.965,
311.067


 20, 81.965,
311.067


 70, 81.965,
311.067


 10, 81.965,
311.067

 80, 81.965,
311.067

 0, 81.965, 311.067

 90, 81.965,
311.067

 40, 81.965,

 40, 81.965,

311.067

311.067

■ 36, 91.715,
311.309

■ 45, 70.769,
310.611

■ 32, 99.128,
311.208

■ 50, 58.854,
310.045

■ 30, 103.974,
310.758

■ 56, 46.710,
309.439

■ 62, 34.629,
308.839

■ 68, 22.774,
308.270

■ 74, 11.226,
307.743

■ 80, 0.022, 302.646

■ 85, 10.830,
126.869

■ 91, 21.333,
126.494

Harmonies

Complementary

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



40, 81.965, 311.067



73, 72.524, 124.477

Rectangle

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



40, 81.965, 311.067



40, 81.965, 1.067



40, 81.965, 131.067



40, 81.965, 181.067

Sweetspot

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



40, 81.965, 311.067



85, 29.510, 308.342



55, 38.254, 263.433



43, 20.053, 308.499



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, 81.965, 311.067



44, 116.495, 311.306



49, 81.977, 325.609



39, 6.400, 307.712



24, 90.236, 310.911



2, 22.180, 304.141

Inverse Universe

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



48, 61.964, 349.192



57, 83.216, 352.746



71, 82.701, 137.164



39, 5.384, 341.719



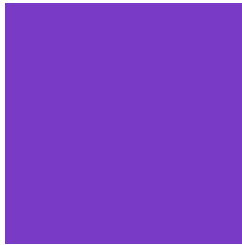
35, 61.504, 356.899



4, 18.399, 349.865

Previews

White Background



This preview shows how the CIELCh color 40, 81.965, 311.067 looks on a white background.

Color Contrast Check

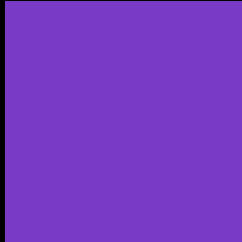
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.965, 311.067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

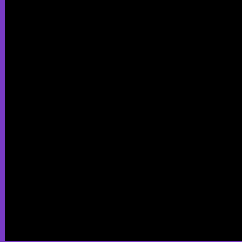
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 81.965, 311.067

Background



This preview shows how black text looks on a background with the CIELCh color 40, 81.965, 311.067.

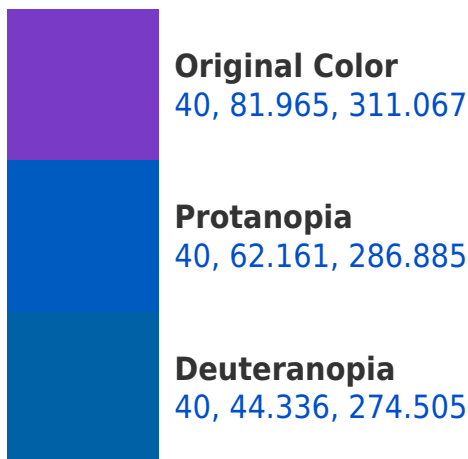


This preview shows how white text looks on a background with the CIELCh color 40, 81.965, 311.067.

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





Tritanopia
40, 5.438, 328.449

Trichromacy



Original Color
40, 81.965, 311.067

Protanomaly
38, 70.582, 294.671

Deuteranomaly
38, 58.243, 290.514

Tritanomaly
39, 35.153, 311.329

Monochromacy



Original Color
40, 81.965, 311.067

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 31.782, 308.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 81.965, 311.067 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(121, 59, 197)` looks like.

```
.text, #text, p{  
    color:rgb(121, 59, 197)  
}
```

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(121, 59, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 59, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 81.965, 311.067 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(121, 59, 197) }
```

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

```
.border{ border-color:rgb(121, 59, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 59, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 59, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 59, 197);  
box-shadow:4px 4px 4px 4px rgb(121, 59,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 81.965, 311.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 59, 197) }
```

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

```
.background{ background-color: rgb(121, 59,  
197) }
```

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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