

Converting Colors

CIELCh(40, 87.343, 310.238)

Have a look what the booklet for
CIELCh(40, 87.343, 310.238)
contains.

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Color

CIELCh(40, 87.656, 310.140)

Conversions

Conversions Part 1

Format	Color
Hex	7639CE
RGB	118, 57, 206
RGB Percent	46%, 22%, 81%
CMY	0.5369, 0.7762, 0.1918
CMYK	0.43, 0.72, 0.00, 0.19
HSL	265°, 60%, 52%
HSV	265°, 72%, 81%
XYZ	20.0995, 11.2510, 59.5551
YIQ	92.2250, -11.4730, 59.2710

Conversions

Conversions Part 2

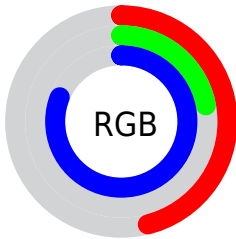
Format	Color
R_{YB}	118, 57, 206
Decimal	7748046
CIE _{Lab}	40.00, 56.51, -67.01
CIE _{LCh}	40, 87.656, 310.140
Yxy	11.2510, 0.2211, 0.1238
Android (android.graphics.Color)	4285938126 (0xFF7639CE)
YUV	92.2250, 56.0911, 22.6047
Hunter-Lab	33.5425, 48.2623, -81.7905

Details

The CIELCh color **40, 87.656, 310.140** 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, 76.155, 122.968**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 83.248, 310.788**, and **20, 85.841, 309.805** is the 20% darker color. If you saturate the color by 10%, you get **36, 97.514, 310.406**, and if you desaturate by 10%, it is **45, 76.125, 309.631**.

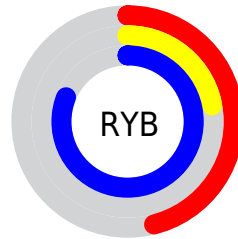
Distribution



Red (46%)

Green (22%)

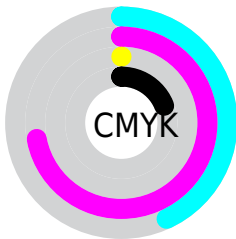
Blue (81%)



Red (46%)

Yellow (22%)

Blue (81%)

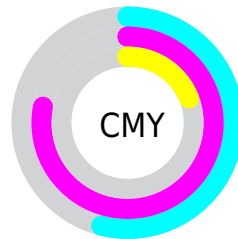


Cyan (43%)

Magenta (72%)

Yellow (0%)

Black (19%)



Cyan (54%)


Magenta (78%)


Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 87.656, 310.140 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, 87.656, 310.140 by changing the saturation by 10% instead.


 40, 87.656,
310.140


 40, 87.656,
310.140


 100, 87.656,
310.140


 30, 87.656,
310.140

 60, 87.656,
310.140


 20, 87.656,
310.140


 70, 87.656,
310.140


 10, 87.656,
310.140

 80, 87.656,
310.140

 0, 87.656, 310.140

 90, 87.656,
310.140

 40, 87.656,

 40, 87.656,

310.140

36, 97.514,
310.406

32, 104.700,
310.285

30, 108.421,
309.959

310.140

45, 76.125,
309.631

51, 63.763,
308.998

57, 51.132,
308.324


63, 38.567,
307.660

69, 26.245,
307.035

75, 14.256,
306.462

81, 2.635, 305.922

88, 8.609, 125.511

 94, 19.483,
125.107

Harmonies

Complementary

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



40, 87.656, 310.140



76, 76.155, 122.968

Rectangle

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



40, 87.656, 310.140



40, 87.656, 0.140



40, 87.656, 130.140



40, 87.656, 180.140

Sweetspot

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



40, 87.656, 310.141



84, 30.770, 307.033



58, 38.882, 259.891



42, 20.760, 307.200



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, 87.656, 310.141



42, 119.821, 310.392



50, 86.624, 324.571



40, 6.488, 306.304



24, 92.043, 310.125



2, 24.178, 303.459

Inverse Universe

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



50, 66.841, 347.070



57, 85.571, 350.518



73, 87.053, 136.433



40, 5.652, 339.752



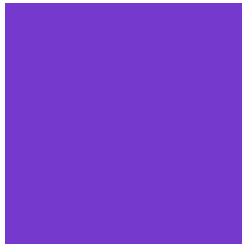
36, 63.132, 353.431



4, 20.986, 347.754

Previews

White Background



This preview shows how the CIELCh color 40, 87.656, 310.140 looks on a white background.

Color Contrast Check

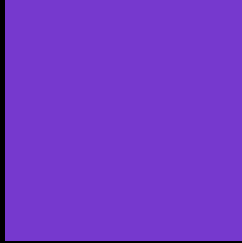
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.656, 310.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

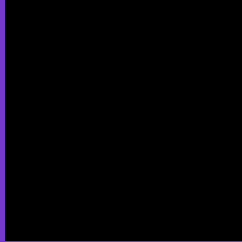
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 87.656, 310.140

Background



This preview shows how black text looks on a background with the CIELCh color 40, 87.656, 310.140.



This preview shows how white text looks on a background with the CIELCh color 40, 87.656, 310.140.

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, 87.656, 310.140

Protanopia
40, 61.601, 286.649

Deuteranopia
40, 43.811, 274.022



Tritanopia
40, 4.282, 285.400

Trichromacy



Original Color
40, 87.656, 310.140

Protanomaly
38, 71.729, 294.818

Deuteranomaly
38, 60.641, 291.367

Tritanomaly
39, 36.353, 306.691

Monochromacy



Original Color
40, 87.656, 310.140

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 34.206, 308.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 87.656, 310.140 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(118, 57, 206)` looks like.

```
.text, #text, p{  
    color:rgb(118, 57, 206)  
}
```

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(118, 57, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 57, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 87.656, 310.140 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(118, 57, 206) }
```

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

```
.border{ border-color:rgb(118, 57, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 57, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 57, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 57, 206);  
box-shadow:4px 4px 4px 4px rgb(118, 57,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 87.656, 310.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 57, 206) }
```

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

```
.background{ background-color: rgb(118, 57,  
206) }
```

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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