

Converting Colors

CIELCh(40, 74.238, 316.244)

Have a look what the booklet for
CIELCh(40, 74.238, 316.244)
contains.

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Color

CIELCh(40, 74.254, 316.248)

Conversions

Conversions Part 1

Format	Color
Hex	8638B3
RGB	134, 56, 179
RGB Percent	53%, 22%, 70%
CMY	0.4727, 0.7786, 0.2962
CMYK	0.25, 0.69, 0.00, 0.30
HSL	278°, 52%, 46%
HSV	278°, 69%, 70%
XYZ	19.5238, 11.2510, 44.0337
YIQ	93.3440, 7.0050, 54.7890

Conversions

Conversions Part 2

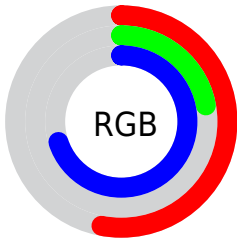
Format	Color
R_{YB}	134, 56, 179
Decimal	8796339
CIE _{Lab}	40.00, 53.64, -51.35
CIE _{LCh}	40, 74.254, 316.248
Yxy	11.2510, 0.2610, 0.1504
Android (android.graphics.Color)	4286986419 (0xFF8638B3)
YUV	93.3440, 42.2284, 35.6553
Hunter-Lab	33.5425, 45.1989, -54.3547

Details

The CIELCh color **40, 74.254, 316.248** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **66, 69.802, 130.601**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 74.383, 316.266**, and **21, 71.384, 315.658** is the 20% darker color. If you saturate the color by 10%, you get **37, 82.533, 316.271**, and if you desaturate by 10%, it is **44, 64.487, 316.031**.

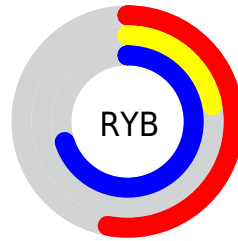
Distribution



Red (53%)

Green (22%)

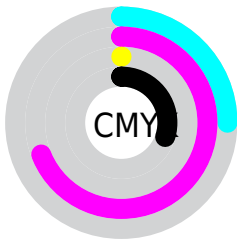
Blue (70%)



Red (53%)

Yellow (22%)

Blue (70%)

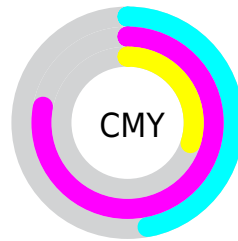


Cyan (25%)

Magenta (69%)

Yellow (0%)

Black (30%)



Cyan (47%)

Magenta (78%)

Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 74.254, 316.248 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, 74.254, 316.248 by changing the saturation by 10% instead.


 40, 74.254,
316.248


 40, 74.254,
316.248


 100, 74.254,
316.248

 30, 74.254,
316.248

 60, 74.254,
316.248


 20, 74.254,
316.248

 70, 74.254,
316.248

 10, 74.254,
316.248

 80, 74.254,
316.248

 0, 74.254, 316.248

 90, 74.254,
316.248

 40, 74.254,

 40, 74.254,

316.248

37, 82.533,
316.271

34, 88.713,
316.019

32, 92.633,
315.473

31, 93.161,
315.394

316.248

44, 64.487,
316.031

49, 53.817,
315.689

53, 42.694,
315.277

58, 31.433,
314.834

63, 20.235,
314.387

69, 9.221, 313.948

74, 1.538, 133.655

79, 12.009,
133.195

■ 84, 22.179,
132.846

Harmonies

Complementary

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



40, 74.254, 316.248



66, 69.802, 130.601

Rectangle

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



40, 74.254, 316.248



40, 74.254, 6.248



40, 74.254, 136.248



40, 74.254, 186.248

Sweetspot

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



40, 74.253, 316.248



79, 28.315, 314.512



44, 47.209, 283.088



40, 19.370, 314.634



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40, 74.253, 316.248



46, 104.010, 316.188



46, 68.907, 332.415



35, 6.089, 313.982



26, 82.746, 315.526



2, 14.216, 309.904

Inverse Universe

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



43, 53.120, 2.093



52, 73.456, 7.105



65, 70.749, 141.610



35, 4.373, 352.362



32, 58.236, 14.092



2, 9.945, 357.183

Previews

White Background



This preview shows how the CIELCh color 40, 74.254, 316.248 looks on a white background.

Color Contrast Check

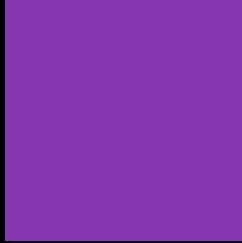
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.254, 316.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

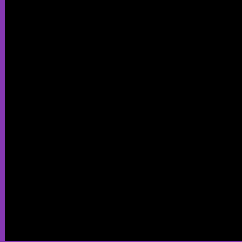
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 74.254, 316.248

Background



This preview shows how black text looks on a background with the CIELCh color 40, 74.254, 316.248.



This preview shows how white text looks on a background with the CIELCh color 40, 74.254, 316.248.

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, 74.254, 316.248

Protanopia

40, 62.721, 287.117

Deuteranopia

40, 47.008, 277.047



Tritanopia
40, 15.757, 6.285

Trichromacy



Original Color
40, 74.254, 316.248

Protanomaly
37, 67.742, 294.826

Deuteranomaly
37, 56.484, 290.979

Tritanomaly
39, 35.022, 327.057

Monochromacy



Original Color
40, 74.254, 316.248

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 29.676, 315.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 74.254, 316.248 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(134, 56, 179)` looks like.

```
.text, #text, p{  
    color:rgb(134, 56, 179)  
}
```

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(134, 56, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 56, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 74.254, 316.248 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(134, 56, 179) }
```

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

```
.border{ border-color:rgb(134, 56, 179) }
```

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

Here you see how a box with a 4 pixel rgb(134, 56, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 56, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 56, 179);  
box-shadow:4px 4px 4px 4px rgb(134, 56,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 74.254, 316.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 56, 179) }
```

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

```
.background{ background-color: rgb(134, 56,  
179) }
```

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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