

Converting Colors

CIELCh(40, 77.803, 317.275)

Have a look what the booklet for
CIELCh(40, 77.803, 317.275)
contains.

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Color

CIELCh(40, 77.638, 317.324)

Conversions

Conversions Part 1

Format	Color
Hex	8B34B6
RGB	139, 52, 182
RGB Percent	55%, 20%, 71%
CMY	0.4562, 0.7974, 0.2876
CMYK	0.24, 0.72, 0.00, 0.29
HSL	280°, 56%, 46%
HSV	280°, 72%, 71%
XYZ	20.2153, 11.2510, 45.1847
YIQ	92.8330, 10.1220, 58.8740

Conversions

Conversions Part 2

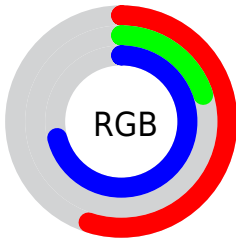
Format	Color
R_{YB}	139, 52, 182
Decimal	9122998
CIE _{Lab}	40.00, 57.08, -52.63
CIE _{LCh}	40, 77.638, 317.324
Yxy	11.2510, 0.2637, 0.1468
Android (android.graphics.Color)	4287313078 (0xFF8B34B6)
YUV	92.8330, 43.9593, 40.4885
Hunter-Lab	33.5425, 48.8788, -56.3892

Details

The CIELCh color **40, 77.638, 317.324** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **67, 73.650, 131.527**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 77.771, 317.282**, and **22, 72.289, 316.333** is the 20% darker color. If you saturate the color by 10%, you get **37, 85.196, 317.255**, and if you desaturate by 10%, it is **44, 68.333, 317.180**.

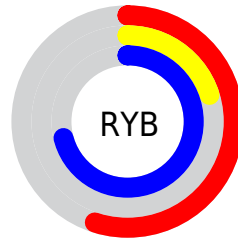
Distribution



Red (55%)

Green (20%)

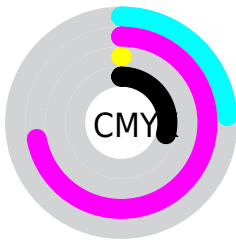
Blue (71%)



Red (55%)

Yellow (20%)

Blue (71%)

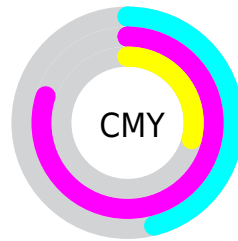


Cyan (24%)

Magenta (72%)

Yellow (0%)

Black (29%)



Cyan (46%)


Magenta (80%)

Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 77.638, 317.324 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, 77.638, 317.324 by changing the saturation by 10% instead.


 40, 77.638,
317.324


 40, 77.638,
317.324


 100, 77.638,
317.324


 30, 77.638,
317.324

 60, 77.638,
317.324


 20, 77.638,
317.324

 70, 77.638,
317.324

 10, 77.638,
317.324

 80, 77.638,
317.324

 0, 77.638, 317.324

 90, 77.638,
317.324

 40, 77.638,

 40, 77.638,

317.324

37, 85.196,
317.255

34, 90.463,
316.903

33, 93.369,
316.423

317.324

44, 68.333,
317.180

48, 57.881,
316.892

53, 46.784,
316.515

58, 35.412,
316.092

63, 24.014,
315.654

68, 12.747,
315.216

73, 1.705, 314.722

78, 9.062, 134.445

■ 84, 19.531,
134.078

Harmonies

Complementary

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



40, 77.638, 317.324



67, 73.650, 131.527

Rectangle

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



40, 77.638, 317.324



40, 77.638, 7.324



40, 77.638, 137.324



40, 77.638, 187.324

Sweetspot

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



40, 77.637, 317.324



80, 29.044, 315.645



42, 52.555, 286.558



41, 19.864, 315.766



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 77.637, 317.324



47, 108.193, 317.085



45, 69.951, 333.987



36, 6.287, 315.120



28, 83.194, 316.542



2, 16.533, 311.039

Inverse Universe

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



43, 55.208, 5.768



52, 76.836, 11.936



65, 72.266, 142.100



36, 4.390, 354.674



32, 59.606, 17.464



2, 11.324, 0.113

Previews

White Background



This preview shows how the CIELCh color 40, 77.638, 317.324 looks on a white background.

Color Contrast Check

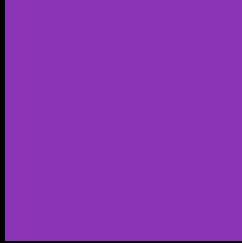
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.638, 317.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

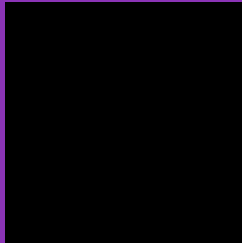
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 77.638, 317.324

Background



This preview shows how black text looks on a background with the CIELCh color 40, 77.638, 317.324.



This preview shows how white text looks on a background with the CIELCh color 40, 77.638, 317.324.

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, 77.638, 317.324

Protanopia

40, 62.721, 287.117

Deuteranopia

40, 46.452, 276.329



Tritanopia
40, 18.407, 9.056

Trichromacy



Original Color
40, 77.638, 317.324

Protanomaly
37, 68.949, 295.406

Deuteranomaly
37, 57.698, 291.770

Tritanomaly
39, 37.288, 329.921

Monochromacy



Original Color
40, 77.638, 317.324

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 31.218, 316.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 77.638, 317.324 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(139, 52, 182)` looks like.

```
.text, #text, p{  
    color:rgb(139, 52, 182)  
}
```

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(139, 52, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 52, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 77.638, 317.324 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(139, 52, 182) }
```

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

```
.border{ border-color:rgb(139, 52, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 52, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 52, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 52, 182);  
box-shadow:4px 4px 4px 4px rgb(139, 52,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 77.638, 317.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 52, 182) }
```

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

```
.background{ background-color: rgb(139, 52,  
182) }
```

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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