Converting Colors

CIELCh(40, 49.014, 326.628)

Have a look what the booklet for CIELCh(40, 49.014, 326.628) contains.

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Color

CIELCh(40, 49.014, 326.628)

Conversions

Format	Color
Hex	8A438B
RGB	138, 67, 139
RGB Percent	54%, 26%, 55%
CMY	0.4594, 0.7377, 0.4554
CMYK	0.01, 0.52, 0.00, 0.46
HSL	299°, 35%, 40%
HSV	299°, 52%, 54%
XYZ	17.1086, 11.2510, 25.6453
YIQ	96.4370, 19.2040, 37.4440

Conversions Part 1

Conversions

Conversions Part 2

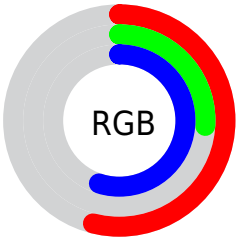
Format	Color
RYB	138, 67, 139
Decimal	9061259
CIELab	40.00, 40.93, -26.96
CIELCh	40, 49.014, 326.628
Yxy	11.2510, 0.3168, 0.2083
Android (android.graphics.Color)	4287251339 (0xFF8A438B)
YUV	96.4370, 20.9836, 36.4508
Hunter-Lab	33.5425, 32.3461, -21.8512

Details

The CIELCh color 40, 49.014, 326.628 is a dark color, and the websafe version is hex 663366. A complement of this color would be 52, 49.219, 140.058, and the grayscale version is 41, 0.006, 296.813.

A 20% lighter version of the original color is 60, 49.146, 326.505, and 20, 49.374, 326.616 is the 20% darker color. If you saturate the color by 10%, you get 37, 56.878, 327.006, and if you desaturate by 10%, it is 43, 40.232, 326.190.

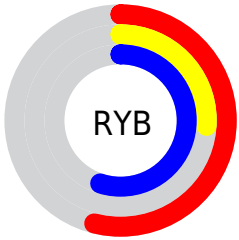
Distribution



Red (54%)

Green (26%)

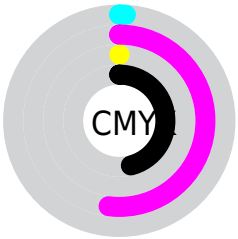
Blue (55%)



Red (54%)

Yellow (26%)

Blue (55%)

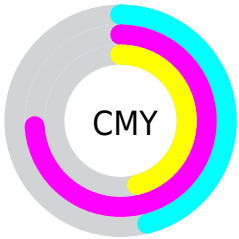


Cyan (1%)

Magenta (52%)

Yellow (0%)

Black (46%)



Cyan (46%)

Magenta (74%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 49.014, 326.628 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, 49.014, 326.628 by changing the saturation by 10% instead.

40, 49.014, 326.628

40, 49.014, 326.628

100, 49.014, 326.628

30, 49.014, 326.628

60, 49.014, 326.628

20, 49.014, 326.628

70, 49.014, 326.628

10, 49.014, 326.628

80, 49.014, 326.628

0, 49.014, 326.628

90, 49.014, 326.628

40, 49.014,

40, 49.014,

326.628

37, 56.878, 327.006

35, 63.473, 327.308

34, 68.486, 327.521

33, 71.744, 327.640

32, 73.580, 327.694

326.628

43, 40.232, 326.190

46, 30.873, 325.708

50, 21.213, 325.198

53, 11.464, 324.671

57, 1.776, 324.058

61, 7.751, 143.681

65, 17.055, 143.170

69, 26.102, 142.690

73, 34.876, 142.235

Harmonies

Complementary

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

40, 49.014, 326.628

52, 49.219, 140.058

Rectangle

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

40, 49.014, 326.628

40, 49.014, 16.628

40, 49.014, 146.628

40, 49.014, 196.628

Sweetspot

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

40, 49.012, 326.628

66, 19.271, 324.911

32, 44.599, 296.932

34, 13.121, 325.005

88, 0.010, 296.813

39, 0.006, 296.813

Same Dimension

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

40, 49.012, 326.628

49, 70.440, 327.057

39, 36.027, 348.033

27, 5.417, 324.526

31, 71.156, 327.696

0, 2.500, 324.068

Inverse Universe

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

38, 33.638, 24.185

45, 51.206, 26.917

52, 34.320, 157.503

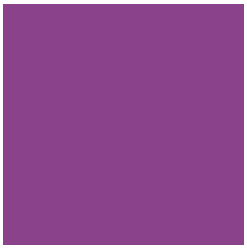
27, 3.148, 18.753

27, 62.692, 38.110

0, 1.415, 18.243

Previews

White Background

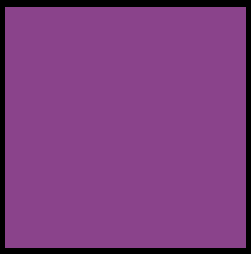


This preview shows how the CIELCh color 40, 49.014, 326.628 looks on a white background.

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



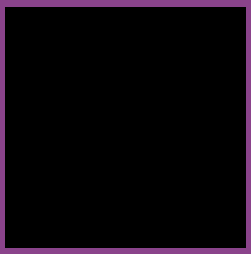
This preview shows how the CIELCh color 40, 49.014, 326.628 looks on a black background.

Color Contrast Check

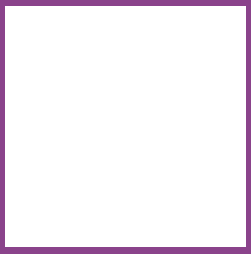
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 40, 49.014, 326.628 Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.014, 326.628.



This preview shows how white text looks on a background with the CIELCh color 40, 49.014, 326.628.

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

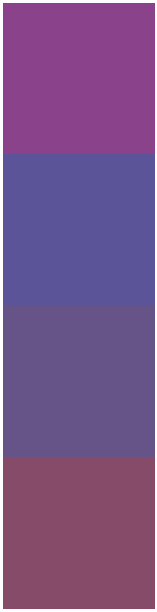
Original Color
40, 49.014, 326.628

Protanopia
40, 41.557, 285.529

Deuteranopia
40, 24.558, 283.519

Tritanopia
40, 22.904, 14.035

Trichromacy



Original Color
40, 49.014, 326.628

Protanomaly
39, 42.240, 299.142

Deuteranomaly
39, 32.521, 305.916

Tritanomaly
40, 29.543, 346.886

Monochromacy

Original Color
40, 49.014, 326.628

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 19.502, 324.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.014, 326.628 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(138, 67, 139) looks like.

```
.text, #text, p{
    color:rgb(138, 67, 139)
}
```

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(138, 67, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 67, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.014, 326.628 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(138, 67, 139) }
```

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

```
.border{ border-color:rgb(138, 67, 139) }
```

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

Here you see how a box with a 4 pixel rgb(138, 67, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 67, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 67, 139); box-shadow:4px 4px 4px 4px rgb(138, 67, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.014, 326.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(138, 67, 139) }
```

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

```
.background{ background-color:rgb(138, 67,
139) }
```

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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