

Converting Colors

CIELCh(40, 40.903, 326.715)

Have a look what the booklet for
CIELCh(40, 40.903, 326.715)
contains.

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Color

CIELCh(40, 40.592, 326.701)

Conversions

Conversions Part 1

Format	Color
Hex	834983
RGB	131, 73, 131
RGB Percent	51%, 29%, 51%
CMY	0.4859, 0.7134, 0.4859
CMYK	0.00, 0.44, 0.00, 0.49
HSL	300°, 28%, 40%
HSV	300°, 44%, 51%
XYZ	15.8664, 11.2510, 22.8416
YIQ	96.9540, 15.9500, 30.3340

Conversions

Conversions Part 2

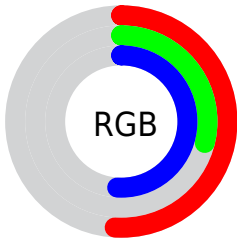
Format	Color
R_{YB}	131, 73, 131
Decimal	8604035
CIE _{Lab}	40.00, 33.93, -22.29
CIE _{LCh}	40, 40.592, 326.701
Yxy	11.2510, 0.3176, 0.2252
Android (android.graphics.Color)	4286794115 (0xFF834983)
YUV	96.9540, 16.7847, 29.8583
Hunter-Lab	33.5425, 25.7356, -16.8952

Details

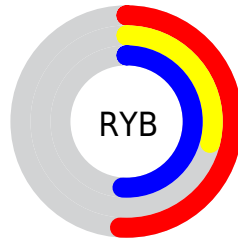
The CIELCh color $[40, 40.592, 326.701]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[50, 40.701, 141.141]$, and the grayscale version is $[41, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 40.714, 326.681]$, and $[20, 40.334, 326.984]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 48.801, 327.137]$, and if you desaturate by 10%, it is $[43, 31.748, 326.220]$.

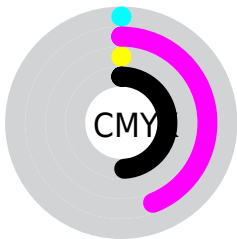
Distribution



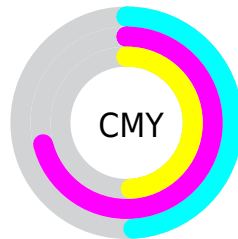
- Red (51%)
- Green (29%)
- Blue (51%)



- Red (51%)
- Yellow (29%)
- Blue (51%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (49%)





- Cyan (49%)
- Magenta (71%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 40.592, 326.701 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, 40.592, 326.701 by changing the saturation by 10% instead.


 40, 40.592,
326.701


 40, 40.592,
326.701


 100, 40.592,
326.701


 30, 40.592,
326.701

 60, 40.592,
326.701


 20, 40.592,
326.701

 70, 40.592,
326.701

 10, 40.592,
326.701

 80, 40.592,
326.701

 0, 40.592, 326.701

 90, 40.592,
326.701

 40, 40.592,

 40, 40.592,

326.701

37, 48.801,
327.137

35, 56.057,
327.513

33, 62.027,
327.815

32, 66.444,
328.034

31, 69.223,
328.171

31, 70.530,
328.234

326.701

43, 31.748,
326.220

46, 22.554,
325.709

50, 13.226,
325.180


53, 3.922, 324.618

57, 5.251, 144.181

61, 14.224,
143.650

64, 22.957,
143.155

68, 31.431,
142.686

 72, 39.640,
142.242

Harmonies

Complementary

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



40, 40.592, 326.701



50, 40.701, 141.141

Rectangle

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



40, 40.592, 326.701



40, 40.592, 16.701



40, 40.592, 146.701



40, 40.592, 196.701

Sweetspot

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



40, 40.590, 326.701



64, 14.980, 325.129



34, 36.398, 296.032



33, 10.573, 325.233



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 40.590, 326.701



49, 59.206, 327.136



39, 29.327, 347.975



26, 5.272, 324.902



30, 70.123, 328.234



0, 1.256, 324.440

Inverse Universe

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



40, 40.590, 326.701



49, 59.206, 327.136



50, 27.911, 159.368



26, 5.272, 324.902



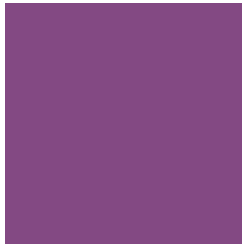
30, 70.123, 328.234



0, 1.256, 324.440

Previews

White Background



This preview shows how the CIELCh color 40, 40.592, 326.701 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 CIE LCh color 40, 40.592, 326.701 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, 40.592, 326.701

Background



This preview shows how black text looks on a background with the CIELCh color 40, 40.592, 326.701.



This preview shows how white text looks on a background with the CIELCh color 40, 40.592, 326.701.

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, 40.592, 326.701

Protanopia

40, 33.049, 285.344

Deuteranopia

40, 20.791, 286.433



Tritanopia
40, 19.235, 11.600

Trichromacy



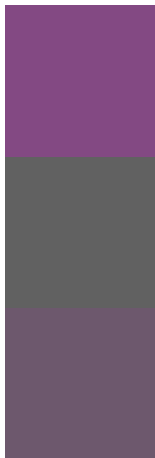
Original Color
40, 40.592, 326.701

Protanomaly
40, 33.821, 300.171

Deuteranomaly
40, 26.442, 306.665

Tritanomaly
40, 25.093, 346.640

Monochromacy



Original Color
40, 40.592, 326.701

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 15.395, 325.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 40.592, 326.701 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(131, 73, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 73, 131)  
}
```

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(131, 73, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 73, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 40.592, 326.701 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(131, 73, 131) }
```

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

```
.border{ border-color:rgb(131, 73, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 73, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 73, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 73, 131);  
box-shadow:4px 4px 4px 4px rgb(131, 73,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 40.592, 326.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 73, 131) }
```

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

```
.background{ background-color: rgb(131, 73,  
131) }
```

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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