

Converting Colors

CIELCh(40, 29.481, 338.152)

Have a look what the booklet for
CIELCh(40, 29.481, 338.152)
contains.

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Color

CIELCh(40, 29.799, 337.524)

Conversions

Conversions Part 1

Format	Color
Hex	814D71
RGB	129, 77, 113
RGB Percent	51%, 30%, 44%
CMY	0.4927, 0.6967, 0.5555
CMYK	0.00, 0.40, 0.12, 0.49
HSL	318°, 25%, 41%
HSV	318°, 40%, 51%
XYZ	14.7867, 11.2510, 17.1184
YIQ	96.6520, 19.4360, 22.2200

Conversions

Conversions Part 2

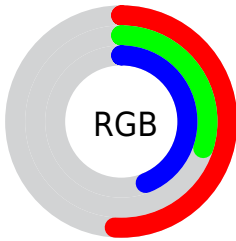
Format	Color
R_{YB}	129, 77, 113
Decimal	8473969
CIE _{Lab}	40.00, 27.54, -11.39
CIE _{LCh}	40, 29.799, 337.524
Yxy	11.2510, 0.3426, 0.2607
Android (android.graphics.Color)	4286664049 (0xFF814D71)
YUV	96.6520, 8.0596, 28.3692
Hunter-Lab	33.5425, 19.9899, -6.7789

Details

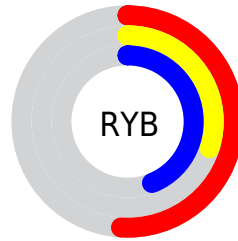
The CIELCh color $40, 29.799, 337.524$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 29.438, 151.239$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 29.956, 337.419$, and $20, 29.844, 337.360$ is the 20% darker color. If you saturate the color by 10%, you get $37, 36.719, 338.396$, and if you desaturate by 10%, it is $43, 22.493, 336.720$.

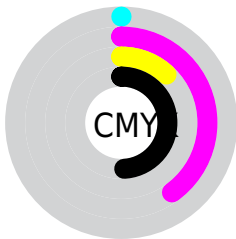
Distribution



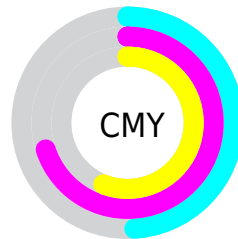
- Red (51%)
- Green (30%)
- Blue (44%)



- Red (51%)
- Yellow (30%)
- Blue (44%)



- Cyan (0%)
- Magenta (40%)
- Yellow (12%)
- Black (49%)





- Cyan (49%)
- Magenta (70%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 29.799, 337.524 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, 29.799, 337.524 by changing the saturation by 10% instead.


 40, 29.799,
337.524


 40, 29.799,
337.524


 100, 29.799,
337.524


 30, 29.799,
337.524

 60, 29.799,
337.524


 20, 29.799,
337.524

 70, 29.799,
337.524

 10, 29.799,
337.524

 80, 29.799,
337.524

 0, 29.799, 337.524

 90, 29.799,
337.524

 40, 29.799,

 40, 29.799,

337.524

337.524

37, 36.719,
338.396

43, 22.493,
336.720

34, 42.974,
339.356

47, 15.025,
335.966

32, 48.232,
340.436

50, 7.547, 335.249

30, 52.166,
341.686

54, 0.163, 333.107

58, 7.064, 154.034

29, 54.541,
343.169

62, 14.101,
153.429

28, 55.841,
344.798

65, 20.932,
152.870

69, 27.553,
152.346

73, 33.969,

Harmonies

Complementary

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



40, 29.799, 337.524



50, 29.438, 151.239

Rectangle

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



40, 29.799, 337.524



40, 29.799, 27.524



40, 29.799, 157.524



40, 29.799, 207.524

Sweetspot

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



40, 29.797, 337.525



63, 11.009, 335.395



37, 32.794, 304.574



32, 7.273, 335.468



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 29.797, 337.525



49, 43.605, 338.296



39, 23.592, 7.975



25, 4.111, 335.168



27, 55.274, 344.766



0, 0.000, 0.000

Inverse Universe

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



40, 29.797, 337.525



49, 43.605, 338.296



50, 20.008, 179.551



25, 4.111, 335.168



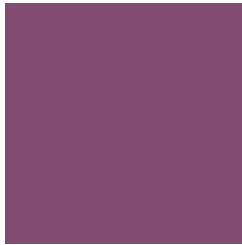
27, 55.274, 344.766



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 29.799, 337.524 looks on a white background.

Color Contrast Check

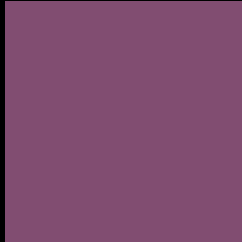
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.799, 337.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

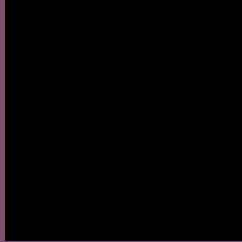
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 29.799, 337.524

Background



This preview shows how black text looks on a background with the CIELCh color 40, 29.799, 337.524.



This preview shows how white text looks on a background with the CIELCh color 40, 29.799, 337.524.

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, 29.799, 337.524

Protanopia

40, 18.998, 284.336

Deuteranopia

40, 11.737, 299.588



Tritanopia
40, 20.157, 12.273

Trichromacy



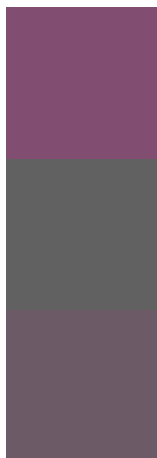
Original Color
40, 29.799, 337.524

Protanomaly
40, 20.938, 307.768

Deuteranomaly
40, 17.453, 320.955

Tritanomaly
40, 22.713, 356.384

Monochromacy



Original Color
40, 29.799, 337.524

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 11.176, 336.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 29.799, 337.524 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(129, 77, 113)` looks like.

```
.text, #text, p{  
    color:rgb(129, 77, 113)  
}
```

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(129, 77, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 77, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 29.799, 337.524 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(129, 77, 113) }
```

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

```
.border{ border-color:rgb(129, 77, 113) }
```

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

Here you see how a box with a 4 pixel rgb(129, 77, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 77, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 77, 113);  
box-shadow:4px 4px 4px 4px rgb(129, 77,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 29.799, 337.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 77, 113) }
```

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

```
.background{ background-color: rgb(129, 77,  
113) }
```

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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