

Converting Colors

CIELCh(34, 42.441, 339.152)

Have a look what the booklet for
CIELCh(34, 42.441, 339.152)
contains.

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Color

CIELCh(34, 42.824, 338.894)

Conversions

Conversions Part 1

Format	Color
Hex	803369
RGB	128, 51, 105
RGB Percent	50%, 20%, 41%
CMY	0.4974, 0.7993, 0.5876
CMYK	0.00, 0.60, 0.18, 0.50
HSL	318°, 43%, 35%
HSV	318°, 60%, 50%
XYZ	12.6777, 8.0082, 14.2858
YIQ	80.1790, 28.5580, 33.1180

Conversions

Conversions Part 2

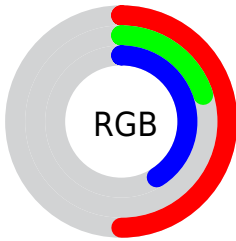
Format	Color
R_{YB}	128, 51, 105
Decimal	8401769
CIE _{Lab}	34.00, 39.95, -15.42
CIE _{LCh}	34, 42.824, 338.894
Yxy	8.0082, 0.3625, 0.2290
Android (android.graphics.Color)	4286591849 (0xFF803369)
YUV	80.1790, 12.2368, 41.9390
Hunter-Lab	28.2988, 30.4440, -10.1216

Details

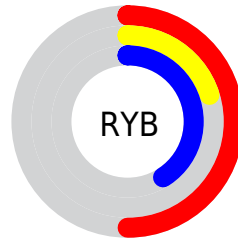
The CIELCh color **34, 42.824, 338.894** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 42.787, 148.438**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 42.567, 339.174**, and **15, 40.765, 339.091** is the 20% darker color. If you saturate the color by 10%, you get **32, 48.088, 339.940**, and if you desaturate by 10%, it is **37, 36.568, 337.961**.

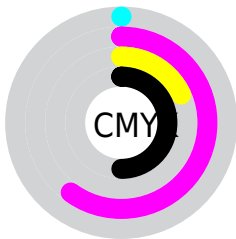
Distribution



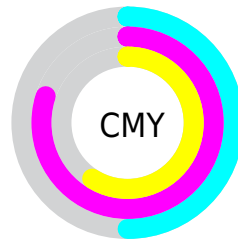
- Red (50%)
- Green (20%)
- Blue (41%)



- Red (50%)
- Yellow (20%)
- Blue (41%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (50%)



- Cyan (50%)
- Magenta (80%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 42.824, 338.894 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 34, 42.824, 338.894 by changing the saturation by 10% instead.


 34, 42.824,
338.894

 34, 42.824,
338.894

 100, 42.824,
338.894

 24, 42.824,
338.894

 54, 42.824,
338.894

 14, 42.824,
338.894

 64, 42.824,
338.894

 4, 42.824, 338.894

 74, 42.824,
338.894

 0, 42.824, 338.894

 84, 42.824,
338.894

 94, 42.824,
338.894

■ 34, 42.824,
338.894

■ 34, 42.824,
338.894

■ 32, 48.088,
339.940

■ 37, 36.568,
337.961

■ 30, 52.042,
341.143

■ 40, 29.653,
337.109

■ 29, 54.448,
342.563

■ 43, 22.359,
336.318

■ 28, 55.793,
344.141

■ 46, 14.902,
335.577

■ 50, 7.436, 334.868

■ 54, 0.063, 330.368

■ 57, 7.156, 153.665

■ 61, 14.185,
153.066

■ 65, 21.009,
152.511

Harmonies

Complementary

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



34, 42.824, 338.894



48, 42.787, 148.438

Rectangle

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



34, 42.824, 338.894



34, 42.824, 28.894



34, 42.824, 158.894



34, 42.824, 208.894

Sweetspot

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



34, 42.822, 338.894



60, 16.473, 335.457



28, 49.770, 305.875



30, 11.548, 335.638



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 42.822, 338.894



41, 59.912, 340.349



33, 35.535, 10.823



25, 4.138, 334.798



28, 55.586, 344.130



0, 0.000, 0.000

Inverse Universe

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



34, 42.822, 338.894



41, 59.912, 340.349



49, 28.029, 175.920



25, 4.138, 334.798



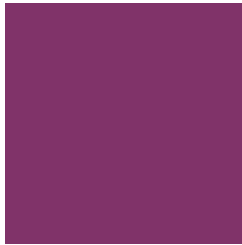
28, 55.586, 344.130



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 42.824, 338.894 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 42.824, 338.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

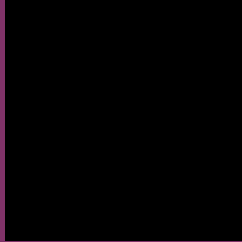
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 42.824, 338.894

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.824, 338.894.



This preview shows how white text looks on a background with the CIELCh color 34, 42.824, 338.894.

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

34, 42.824, 338.894

Protanopia

34, 30.198, 285.515

Deuteranopia

34, 13.792, 290.891



Tritanopia
34, 29.523, 20.240

Trichromacy



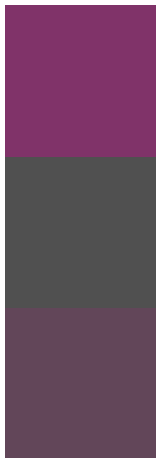
Original Color
34, 42.824, 338.894

Protanomaly
33, 32.210, 306.600

Deuteranomaly
33, 23.895, 319.999

Tritanomaly
34, 32.499, 0.770

Monochromacy



Original Color
34, 42.824, 338.894

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 16.772, 337.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.824, 338.894 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(128, 51, 105)` looks like.

```
.text, #text, p{  
    color:rgb(128, 51, 105)  
}
```

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(128, 51, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 51, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.824, 338.894 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(128, 51, 105) }
```

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

```
.border{ border-color:rgb(128, 51, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 51, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 51, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 51, 105);  
box-shadow:4px 4px 4px 4px rgb(128, 51,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.824, 338.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 51, 105) }
```

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

```
.background{ background-color: rgb(128, 51,  
105) }
```

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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