

Converting Colors

CIELCh(34, 42.107, 333.034)

Have a look what the booklet for
CIELCh(34, 42.107, 333.034)
contains.

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Color

CIELCh(34, 42.476, 333.094)

Conversions

Conversions Part 1

Format	Color
Hex	7B366F
RGB	123, 54, 111
RGB Percent	48%, 21%, 44%
CMY	0.5174, 0.7880, 0.5645
CMYK	0.00, 0.56, 0.10, 0.52
HSL	310°, 39%, 35%
HSV	310°, 56%, 48%
XYZ	12.3715, 8.0082, 15.9494
YIQ	81.1290, 22.8270, 32.3550

Conversions

Conversions Part 2

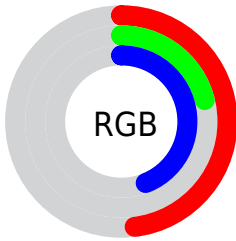
Format	Color
R_{YB}	123, 54, 111
Decimal	8074863
CIE _{Lab}	34.00, 37.88, -19.22
CIE _{LCh}	34, 42.476, 333.094
Yxy	8.0082, 0.3405, 0.2204
Android (android.graphics.Color)	4286264943 (0xFF7B366F)
YUV	81.1290, 14.7264, 36.7209
Hunter-Lab	28.2988, 28.5129, -13.6071

Details

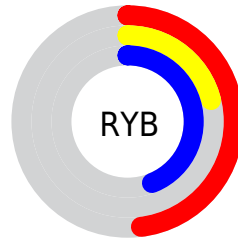
The CIELCh color $34, 42.476, 333.094$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $46, 42.765, 144.751$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 42.602, 332.885$, and $14, 42.498, 333.289$ is the 20% darker color. If you saturate the color by 10%, you get $32, 48.453, 333.759$, and if you desaturate by 10%, it is $37, 35.617, 332.444$.

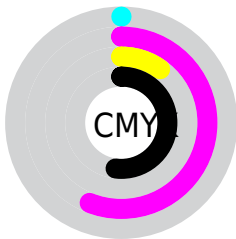
Distribution



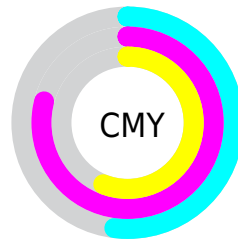
- Red (48%)
- Green (21%)
- Blue (44%)



- Red (48%)
- Yellow (21%)
- Blue (44%)



- Cyan (0%)
- Magenta (56%)
- Yellow (10%)
- Black (52%)





- Cyan (52%)
- Magenta (79%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 42.476, 333.094 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, 42.476, 333.094 by changing the saturation by 10% instead.


 34, 42.476,
333.094

 34, 42.476,
333.094

 100, 42.476,
333.094

 24, 42.476,
333.094

 54, 42.476,
333.094

 14, 42.476,
333.094


 64, 42.476,
333.094

 4, 42.476, 333.094

 74, 42.476,
333.094

 0, 42.476, 333.094

 84, 42.476,
333.094

 94, 42.476,
333.094

■ 34, 42.476,
333.094

■ 34, 42.476,
333.094

■ 32, 48.453,
333.759

■ 37, 35.617,
332.444

■ 30, 53.235,
334.448

■ 40, 28.188,
331.806

■ 28, 56.557,
335.178

■ 43, 20.442,
331.178

■ 28, 58.445,
335.964

■ 46, 12.574,
330.562

■ 27, 59.112,
336.272

■ 50, 4.723, 329.942

■ 53, 3.020, 149.485

■ 57, 10.596,
148.886

■ 60, 17.975,
148.353

■ 64, 25.143,
147.850

Harmonies

Complementary

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



34, 42.476, 333.094



46, 42.765, 144.751

Rectangle

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



34, 42.476, 333.094



34, 42.476, 23.094



34, 42.476, 153.094



34, 42.476, 203.094

Sweetspot

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



34, 42.474, 333.094



59, 16.552, 330.645



27, 44.714, 302.324



30, 11.164, 330.743



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



34, 42.474, 333.094



41, 60.465, 333.934



33, 32.606, 1.011



24, 4.371, 330.132



28, 59.751, 336.287



57, 99.894, 336.807

Inverse Universe

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



34, 42.474, 333.094



41, 60.465, 333.934



47, 28.401, 167.717



24, 4.371, 330.132



28, 59.751, 336.287



57, 99.894, 336.807

Previews

White Background



This preview shows how the CIELCh color 34, 42.476, 333.094 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, 42.476, 333.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

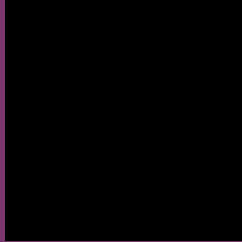
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 42.476, 333.094

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.476, 333.094.



This preview shows how white text looks on a background with the CIELCh color 34, 42.476, 333.094.

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, 42.476, 333.094

Protanopia

34, 32.715, 285.373

Deuteranopia

34, 17.593, 287.104



Tritanopia
34, 25.572, 17.255

Trichromacy



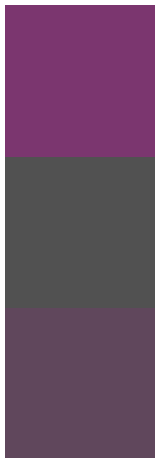
Original Color
34, 42.476, 333.094

Protanomaly
33, 34.342, 303.004

Deuteranomaly
33, 25.412, 313.276

Tritanomaly
34, 29.261, 355.144

Monochromacy



Original Color
34, 42.476, 333.094

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 16.808, 330.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.476, 333.094 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(123, 54, 111)` looks like.

```
.text, #text, p{  
    color:rgb(123, 54, 111)  
}
```

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(123, 54, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 54, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.476, 333.094 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(123, 54, 111) }
```

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

```
.border{ border-color:rgb(123, 54, 111) }
```

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

Here you see how a box with a 4 pixel rgb(123, 54, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 54, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 54, 111);  
box-shadow:4px 4px 4px 4px rgb(123, 54,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.476, 333.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 54, 111) }
```

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

```
.background{ background-color: rgb(123, 54,  
111) }
```

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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