

Converting Colors

CIELCh(42, 31.046, 340.662)

Have a look what the booklet for
CIELCh(42, 31.046, 340.662)
contains.

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Color

CIELCh(42, 30.974, 340.500)

Conversions

Conversions Part 1

Format	Color
Hex	8A5175
RGB	138, 81, 117
RGB Percent	54%, 32%, 46%
CMY	0.4600, 0.6834, 0.5423
CMYK	0.00, 0.41, 0.15, 0.46
HSL	322°, 26%, 43%
HSV	322°, 41%, 54%
XYZ	16.5486, 12.5000, 18.2836
YIQ	102.1470, 22.4160, 23.2800

Conversions

Conversions Part 2

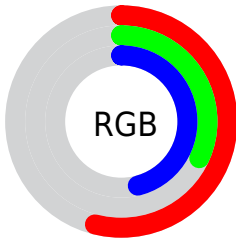
Format	Color
R_{YB}	138, 81, 117
Decimal	9064821
CIE _{Lab}	42.00, 29.20, -10.34
CIE _{LCh}	42, 30.974, 340.500
Yxy	12.5000, 0.3496, 0.2641
Android (android.graphics.Color)	4287254901 (0xFF8A5175)
YUV	102.1470, 7.3225, 31.4431
Hunter-Lab	35.3553, 21.6780, -5.9124

Details

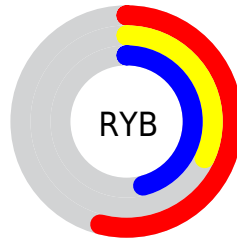
The CIELCh color $42, 30.974, 340.500$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 30.354, 153.529$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 30.787, 340.905$, and $22, 30.688, 340.040$ is the 20% darker color. If you saturate the color by 10%, you get $39, 37.941, 341.519$, and if you desaturate by 10%, it is $45, 23.594, 339.585$.

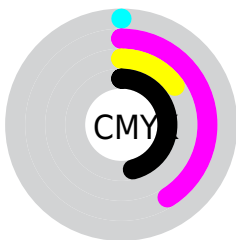
Distribution



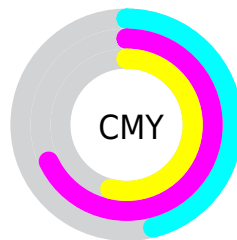
- Red (54%)
- Green (32%)
- Blue (46%)



- Red (54%)
- Yellow (32%)
- Blue (46%)



- Cyan (0%)
- Magenta (41%)
- Yellow (15%)
- Black (46%)





- Cyan (46%)
- Magenta (68%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 30.974, 340.500 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 42, 30.974, 340.500 by changing the saturation by 10% instead.


 42, 30.974,
340.500


 42, 30.974,
340.500


 100, 30.974,
340.500


 32, 30.974,
340.500

 62, 30.974,
340.500


 22, 30.974,
340.500

 72, 30.974,
340.500

 12, 30.974,
340.500

 82, 30.974,
340.500

 2, 30.974, 340.500

 92, 30.974,
340.500

 0, 30.974, 340.500

 42, 30.974,

 42, 30.974,

340.500

340.500

■ 39, 37.941,
341.519

■ 45, 23.594,
339.585

■ 36, 44.197,
342.675

■ 49, 16.041,
338.746

■ 34, 49.387,
344.021

■ 53, 8.480, 337.963

■ 32, 53.173,
345.631

■ 57, 1.019, 337.014

■ 61, 6.277, 156.661

■ 30, 55.335,
347.599

■ 65, 13.372,
156.016

■ 30, 56.371,
349.514

■ 69, 20.250,
155.426

■ 73, 26.911,
154.876

■ 77, 33.359,

Harmonies

Complementary

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



42, 30.974, 340.500



53, 30.354, 153.529

Rectangle

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



42, 30.974, 340.500



42, 30.974, 30.500



42, 30.974, 160.500



42, 30.974, 210.500

Sweetspot

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



42, 30.972, 340.501



67, 11.066, 338.031



39, 35.767, 306.809



34, 7.318, 338.114



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 30.972, 340.501



50, 45.665, 341.487



41, 25.499, 13.279



27, 4.199, 337.793



28, 54.886, 349.410



0, 1.933, 337.183

Inverse Universe

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



42, 30.972, 340.501



50, 45.665, 341.487



53, 20.699, 185.038



27, 4.199, 337.793



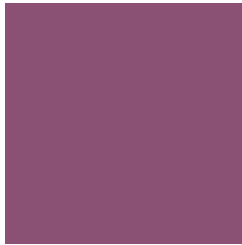
28, 54.886, 349.410



0, 1.933, 337.183

Previews

White Background



This preview shows how the CIELCh color 42, 30.974, 340.500 looks on a white background.

Color Contrast Check

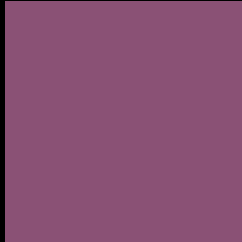
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 30.974, 340.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

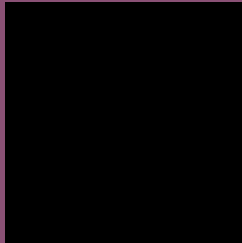
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 30.974, 340.500

Background



This preview shows how black text looks on a background with the CIELCh color 42, 30.974, 340.500.



This preview shows how white text looks on a background with the CIELCh color 42, 30.974, 340.500.

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

42, 30.974, 340.500

Protanopia

42, 18.793, 286.303

Deuteranopia

42, 10.506, 302.455



Tritanopia
42, 21.756, 13.269

Trichromacy



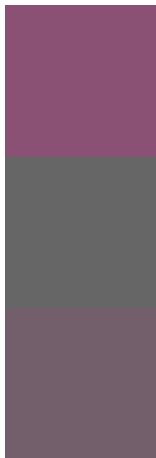
Original Color
42, 30.974, 340.500

Protanomaly
42, 21.098, 310.784

Deuteranomaly
42, 17.433, 325.517

Tritanomaly
42, 24.094, 358.408

Monochromacy



Original Color
42, 30.974, 340.500

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 11.698, 339.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 30.974, 340.500 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, 81, 117)` looks like.

```
.text, #text, p{  
    color:rgb(138, 81, 117)  
}
```

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, 81, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 81, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 30.974, 340.500 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, 81, 117) }
```

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

```
.border{ border-color:rgb(138, 81, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 81, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 81, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 81, 117); box-shadow:4px 4px 4px 4px rgb(138, 81, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 30.974, 340.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 81, 117) }
```

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

```
.background{ background-color: rgb(138, 81,  
117) }
```

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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