

Converting Colors

CIELCh(42, 26.291, 333.913)

Have a look what the booklet for
CIELCh(42, 26.291, 333.913)
contains.

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Color

CIELCh(42, 26.738, 333.686)

Conversions

Conversions Part 1

Format	Color
Hex	815577
RGB	129, 85, 119
RGB Percent	51%, 33%, 47%
CMY	0.4941, 0.6666, 0.5333
CMYK	0.00, 0.34, 0.08, 0.49
HSL	314°, 21%, 42%
HSV	314°, 34%, 51%
XYZ	15.6360, 12.5000, 19.0462
YIQ	102.0320, 15.3100, 19.9020

Conversions

Conversions Part 2

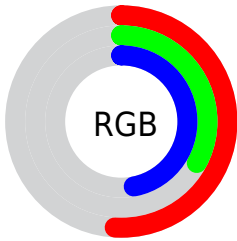
Format	Color
R_{YB}	129, 85, 119
Decimal	8476023
CIE _{Lab}	42.00, 23.97, -11.85
CIE _{LCh}	42, 26.738, 333.686
Yxy	12.5000, 0.3314, 0.2649
Android (android.graphics.Color)	4286666103 (0xFF815577)
YUV	102.0320, 8.3652, 23.6509
Hunter-Lab	35.3553, 17.0701, -7.1913

Details

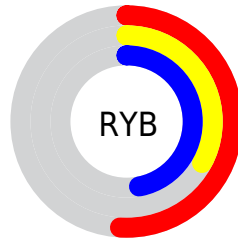
The CIELCh color $42, 26.738, 333.686$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 26.586, 148.909$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 26.980, 334.085$, and $22, 27.302, 333.453$ is the 20% darker color. If you saturate the color by 10%, you get $39, 34.273, 334.394$, and if you desaturate by 10%, it is $45, 18.928, 333.007$.

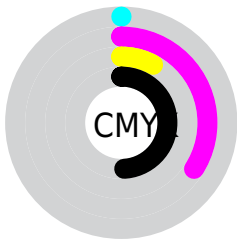
Distribution



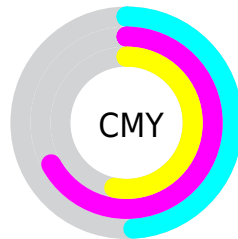
- Red (51%)
- Green (33%)
- Blue (47%)



- Red (51%)
- Yellow (33%)
- Blue (47%)



- Cyan (0%)
- Magenta (34%)
- Yellow (8%)
- Black (49%)




- Cyan (49%)
- Magenta (67%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.738, 333.686 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, 26.738, 333.686 by changing the saturation by 10% instead.

 42, 26.738,
333.686


 42, 26.738,
333.686

 100, 26.738,
333.686


 32, 26.738,
333.686

 62, 26.738,
333.686


 22, 26.738,
333.686

 72, 26.738,
333.686

 12, 26.738,
333.686

 82, 26.738,
333.686

 2, 26.738, 333.686

 92, 26.738,
333.686

 0, 26.738, 333.686

 42, 26.738,

 42, 26.738,

333.686

39, 34.273,
334.394

36, 41.286,
335.135

34, 47.465,
335.922

31, 52.474,
336.771

30, 56.012,
337.713

29, 57.947,
338.784

28, 58.809,
339.435

333.686

45, 18.928,
333.007

49, 11.036,
332.350

52, 3.190, 331.677

56, 4.526, 151.206

60, 12.063,
150.609

64, 19.394,
150.063

68, 26.509,
149.550

71, 33.408,
149.066

■ 75, 40.098,
148.608

Harmonies

Complementary

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



42, 26.738, 333.686



50, 26.586, 148.909

Rectangle

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



42, 26.738, 333.686



42, 26.738, 23.686



42, 26.738, 153.686



42, 26.738, 203.686

Sweetspot

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



42, 26.736, 333.686



64, 9.703, 332.098



39, 27.310, 301.320



33, 6.594, 332.174



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 26.736, 333.686



51, 39.697, 334.240



41, 20.184, 0.868



25, 4.355, 332.023



28, 58.320, 339.419



0, 0.000, 0.000

Inverse Universe

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



42, 26.736, 333.686



51, 39.697, 334.240



51, 18.195, 173.867



25, 4.355, 332.023



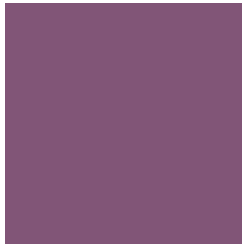
28, 58.320, 339.419



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 26.738, 333.686 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 42, 26.738, 333.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

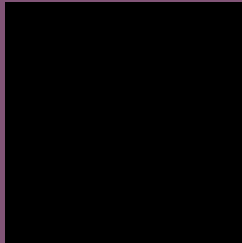
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.738, 333.686

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.738, 333.686.



This preview shows how white text looks on a background with the CIELCh color 42, 26.738, 333.686.

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, 26.738, 333.686

Protanopia

42, 18.197, 285.973

Deuteranopia

42, 12.229, 299.214



Tritanopia
42, 16.486, 7.147

Trichromacy



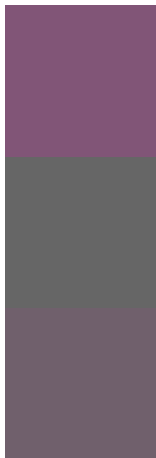
Original Color
42, 26.738, 333.686

Protanomaly
42, 20.003, 305.994

Deuteranomaly
42, 16.765, 317.219

Tritanomaly
42, 18.890, 351.794

Monochromacy



Original Color
42, 26.738, 333.686

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 9.795, 333.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.738, 333.686 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, 85, 119)` looks like.

```
.text, #text, p{  
  color:rgb(129, 85, 119)  
}
```

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, 85, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 85, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.738, 333.686 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, 85, 119) }
```

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

```
.border{ border-color:rgb(129, 85, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 85, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 85, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 85, 119);  
box-shadow:4px 4px 4px 4px rgb(129, 85,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.738, 333.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 85, 119) }
```

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

```
.background{ background-color: rgb(129, 85,  
119) }
```

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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