

Converting Colors

CIELCh(42, 24.859, 345.103)

Have a look what the booklet for
CIELCh(42, 24.859, 345.103)
contains.

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Color

CIELCh(42, 25.230, 345.336)

Conversions

Conversions Part 1

Format	Color
Hex	85546E
RGB	133, 84, 110
RGB Percent	52%, 33%, 43%
CMY	0.4777, 0.6699, 0.5679
CMYK	0.00, 0.37, 0.17, 0.48
HSL	328°, 23%, 43%
HSV	328°, 37%, 52%
XYZ	15.7116, 12.5000, 16.3884
YIQ	101.6150, 20.8580, 18.4740

Conversions

Conversions Part 2

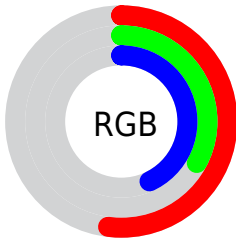
Format	Color
R_{YB}	133, 84, 110
Decimal	8737902
CIE _{Lab}	42.00, 24.41, -6.39
CIE _{LCh}	42, 25.230, 345.336
Yxy	12.5000, 0.3523, 0.2803
Android (android.graphics.Color)	4286927982 (0xFF85546E)
YUV	101.6150, 4.1338, 27.5246
Hunter-Lab	35.3553, 17.4518, -2.7341

Details

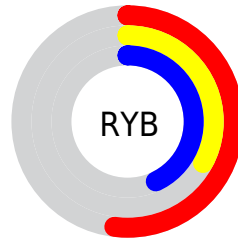
The CIELCh color $42, 25.230, 345.336$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 24.328, 158.694$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 25.582, 344.656$, and $22, 25.261, 345.705$ is the 20% darker color. If you saturate the color by 10%, you get $39, 31.890, 346.513$, and if you desaturate by 10%, it is $46, 18.345, 344.303$.

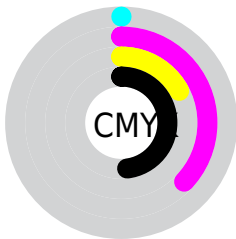
Distribution



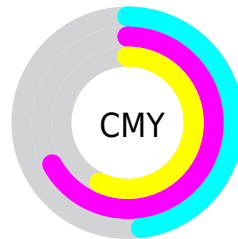
- Red (52%)
- Green (33%)
- Blue (43%)



- Red (52%)
- Yellow (33%)
- Blue (43%)



- Cyan (0%)
- Magenta (37%)
- Yellow (17%)
- Black (48%)





- Cyan (48%)
- Magenta (67%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.230, 345.336 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, 25.230, 345.336 by changing the saturation by 10% instead.


 42, 25.230,
345.336


 42, 25.230,
345.336


 100, 25.230,
345.336


 32, 25.230,
345.336

 62, 25.230,
345.336


 22, 25.230,
345.336

 72, 25.230,
345.336

 12, 25.230,
345.336

 82, 25.230,
345.336

 2, 25.230, 345.336

 92, 25.230,
345.336

 0, 25.230, 345.336

 42, 25.230,

 42, 25.230,

345.336

39, 31.890,
346.513

36, 38.081,
347.879

33, 43.493,
349.508

31, 47.792,
351.497

29, 50.713,
353.972

28, 52.331,
356.994

28, 52.829,
357.976

345.336

46, 18.345,
344.303

49, 11.421,
343.374

53, 4.575, 342.504

57, 2.119, 161.947

61, 8.621, 161.143

65, 14.914,
160.483

69, 20.994,
159.877

73, 26.867,
159.315

77, 32.542,

Harmonies

Complementary

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



42, 25.230, 345.336



52, 24.328, 158.694

Rectangle

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



42, 25.230, 345.336



42, 25.230, 35.336



42, 25.230, 165.336



42, 25.230, 215.336

Sweetspot

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



42, 25.228, 345.337



66, 9.227, 342.890



40, 31.118, 309.740



33, 6.181, 342.987



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 25.228, 345.337



51, 37.260, 346.288



41, 21.982, 20.131



26, 3.791, 342.707



27, 51.941, 357.880



0, 0.899, 342.039

Inverse Universe

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



42, 25.228, 345.337



51, 37.260, 346.288



52, 17.432, 194.522



26, 3.791, 342.707



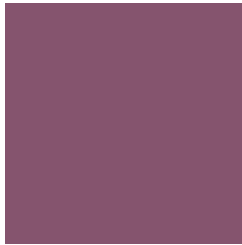
27, 51.941, 357.880



0, 0.899, 342.039

Previews

White Background



This preview shows how the CIELCh color 42, 25.230, 345.336 looks on a white background.

Color Contrast Check

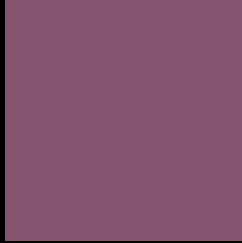
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.230, 345.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

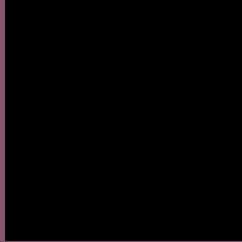
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.230, 345.336

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.230, 345.336.



This preview shows how white text looks on a background with the CIELCh color 42, 25.230, 345.336.

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, 25.230, 345.336

Protanopia

42, 12.733, 285.218

Deuteranopia

42, 7.435, 316.979



Tritanopia
42, 19.561, 10.045

Trichromacy



Original Color
42, 25.230, 345.336

Protanomaly
42, 14.637, 315.911

Deuteranomaly
42, 13.945, 334.013

Tritanomaly
42, 21.188, 359.486

Monochromacy



Original Color
42, 25.230, 345.336

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 8.914, 343.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.230, 345.336 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(133, 84, 110)` looks like.

```
.text, #text, p{  
    color:rgb(133, 84, 110)  
}
```

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(133, 84, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 84, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.230, 345.336 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(133, 84, 110) }
```

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

```
.border{ border-color:rgb(133, 84, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 84, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 84, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 84, 110);  
box-shadow:4px 4px 4px 4px rgb(133, 84,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.230, 345.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 84, 110) }
```

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

```
.background{ background-color: rgb(133, 84,  
110) }
```

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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