

Converting Colors

CIELCh(34, 46.623, 342.738)

Have a look what the booklet for
CIELCh(34, 46.623, 342.738)
contains.

CIELCh(34, 46.715, 342.626)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 46.715, 342.626)

Conversions

Conversions Part 1

Format	Color
Hex	872D67
RGB	135, 45, 103
RGB Percent	53%, 18%, 40%
CMY	0.4706, 0.8235, 0.5961
CMYK	0.00, 0.67, 0.24, 0.47
HSL	321°, 50%, 35%
HSV	321°, 67%, 53%
XYZ	13.3799, 8.0082, 13.6743
YIQ	78.5220, 35.0220, 37.1180

Conversions

Conversions Part 2

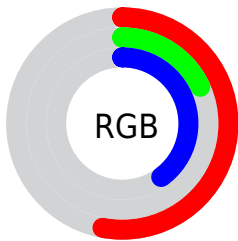
Format	Color
RYB	135, 45, 103
Decimal	8858983
CIELab	34.00, 44.58, -13.95
CIElCh	34, 46.715, 342.626
Yxy	8.0082, 0.3816, 0.2284
Android (android.graphics.Color)	4287049063 (0xFF872D67)
YUV	78.5220, 12.0677, 49.5312
Hunter-Lab	28.2988, 34.8736, -8.8405

Details

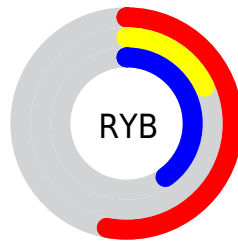
The CIELCh color $[34, 46.715, 342.626]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[50, 46.609, 149.604]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 46.808, 342.752]$, and $[16, 40.714, 344.249]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 51.166, 344.035]$, and if you desaturate by 10%, it is $[37, 41.024, 341.427]$.

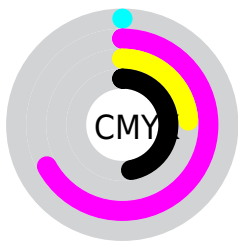
Distribution



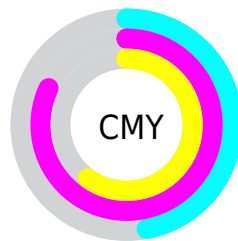
- Red (53%)
- Green (18%)
- Blue (40%)



- Red (53%)
- Yellow (18%)
- Blue (40%)



- Cyan (0%)
- Magenta (67%)
- Yellow (24%)
- Black (47%)




- Cyan (47%)
- Magenta (82%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 46.715, 342.626 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, 46.715, 342.626 by changing the saturation by 10% instead.


 34, 46.715,
342.626

 34, 46.715,
342.626


 100, 46.715,
342.626


 24, 46.715,
342.626


 54, 46.715,
342.626

 14, 46.715,
342.626

 64, 46.715,
342.626

 4, 46.715, 342.626

 74, 46.715,
342.626

 0, 46.715, 342.626

 84, 46.715,
342.626

 94, 46.715,
342.626

■ 34, 46.715,
342.626

■ 34, 46.715,
342.626

■ 32, 51.166,
344.035

■ 37, 41.024,
341.427

■ 30, 54.097,
345.731

■ 40, 34.448,
340.378

■ 29, 55.541,
347.766

■ 43, 27.314,
339.439

■ 29, 55.966,
348.460

■ 46, 19.892,
338.583

■ 50, 12.378,
337.790

■ 54, 4.910, 337.029

■ 58, 2.428, 156.513

■ 62, 9.584, 155.795

■ 66, 16.535,
155.186

Harmonies

Complementary

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



34, 46.715, 342.626



50, 46.609, 149.604

Rectangle

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



34, 46.715, 342.626



34, 46.715, 32.626



34, 46.715, 162.626



34, 46.715, 212.626

Sweetspot

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



34, 46.713, 342.627



62, 18.489, 338.085



27, 57.720, 308.189



31, 12.727, 338.279



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



34, 46.713, 342.627



41, 64.205, 344.864



33, 41.444, 17.902



26, 4.106, 337.218



28, 54.509, 348.361



0, 0.976, 336.620

Inverse Universe

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



34, 46.713, 342.627



41, 64.205, 344.864



51, 29.733, 180.997



26, 4.106, 337.218



28, 54.509, 348.361



0, 0.976, 336.620

Previews

White Background



This preview shows how the CIELCh color 34, 46.715, 342.626 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, 46.715, 342.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

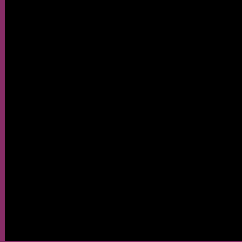
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 46.715, 342.626

Background



This preview shows how black text looks on a background with the CIELCh color 34, 46.715, 342.626.



This preview shows how white text looks on a background with the CIELCh color 34, 46.715, 342.626.

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, 46.715, 342.626

Protanopia

34, 31.440, 285.667

Deuteranopia

34, 11.930, 294.072



Tritanopia
34, 35.366, 22.479

Trichromacy



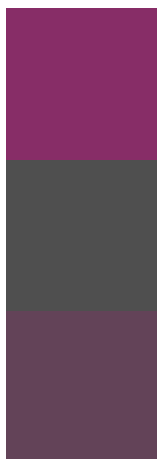
Original Color
34, 46.715, 342.626

Protanomaly
33, 34.342, 308.497

Deuteranomaly
33, 24.522, 326.109

Tritanomaly
34, 36.897, 4.607

Monochromacy



Original Color
34, 46.715, 342.626

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 18.844, 338.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 46.715, 342.626 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(135, 45, 103)` looks like.

```
.text, #text, p{  
    color:rgb(135, 45, 103)  
}
```

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(135, 45, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 45, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 46.715, 342.626 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(135, 45, 103) }
```

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

```
.border{ border-color:rgb(135, 45, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 45, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 45, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 45, 103);  
box-shadow:4px 4px 4px 4px rgb(135, 45,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 46.715, 342.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 45, 103) }
```

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

```
.background{ background-color: rgb(135, 45,  
103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor