

Converting Colors

CIELCh(34, 40.902, 342.484)

Have a look what the booklet for
CIELCh(34, 40.902, 342.484)
contains.

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Color

CIELCh(34, 40.799, 342.875)

Conversions

Conversions Part 1

Format	Color
Hex	813464
RGB	129, 52, 100
RGB Percent	51%, 20%, 39%
CMY	0.4949, 0.7968, 0.6085
CMYK	0.00, 0.60, 0.23, 0.49
HSL	323°, 43%, 35%
HSV	323°, 60%, 51%
XYZ	12.5352, 8.0082, 12.8966
YIQ	80.4950, 30.4840, 31.2520

Conversions

Conversions Part 2

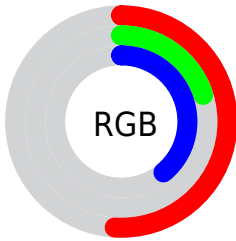
Format	Color
R_{YB}	129, 52, 100
Decimal	8467556
CIE _{Lab}	34.00, 38.99, -12.01
CIE _{LCh}	34, 40.799, 342.875
Yxy	8.0082, 0.3749, 0.2395
Android (android.graphics.Color)	4286657636 (0xFF813464)
YUV	80.4950, 9.6160, 42.5389
Hunter-Lab	28.2988, 29.5449, -7.2111

Details

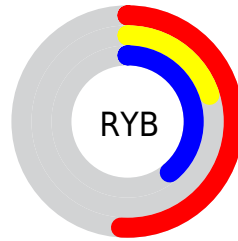
The CIELCh color $[34, 40.799, 342.875]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[48, 40.150, 151.543]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 40.586, 342.880]$, and $[15, 39.204, 343.698]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 45.925, 344.202]$, and if you desaturate by 10%, it is $[37, 34.740, 341.734]$.

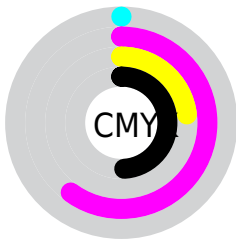
Distribution



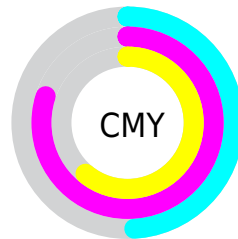
- Red (51%)
- Green (20%)
- Blue (39%)



- Red (51%)
- Yellow (20%)
- Blue (39%)



- Cyan (0%)
- Magenta (60%)
- Yellow (23%)
- Black (49%)





- Cyan (49%)
- Magenta (80%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 40.799, 342.875 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, 40.799, 342.875 by changing the saturation by 10% instead.


 34, 40.799,
342.875

 34, 40.799,
342.875

 100, 40.799,
342.875


 24, 40.799,
342.875

 54, 40.799,
342.875


 14, 40.799,
342.875


 64, 40.799,
342.875

 4, 40.799, 342.875

 74, 40.799,
342.875

 0, 40.799, 342.875

 84, 40.799,
342.875

 94, 40.799,
342.875

■ 34, 40.799,
342.875

■ 34, 40.799,
342.875

■ 32, 45.925,
344.202

■ 37, 34.740,
341.734

■ 30, 49.798,
345.783

■ 40, 28.077,
340.726

■ 28, 52.180,
347.711

■ 43, 21.080,
339.819

■ 27, 53.518,
349.924

■ 47, 13.955,
338.987

■ 27, 53.551,
349.974

■ 50, 6.846, 338.206

■ 54, 0.156, 159.226

■ 58, 6.993, 156.917

■ 62, 13.638,
156.283

■ 65, 20.079,
155.700

Harmonies

Complementary

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



34, 40.799, 342.875



48, 40.150, 151.543

Rectangle

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



34, 40.799, 342.875



34, 40.799, 32.875



34, 40.799, 162.875



34, 40.799, 212.875

Sweetspot

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



34, 40.797, 342.876



61, 15.800, 338.880



29, 49.727, 308.130



30, 10.943, 339.079



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 40.797, 342.876



41, 57.882, 344.788



33, 35.801, 17.136



25, 3.915, 338.154



27, 53.170, 349.944



0, 0.000, 0.000

Inverse Universe

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



34, 40.797, 342.876



41, 57.882, 344.788



49, 26.255, 183.331



25, 3.915, 338.154



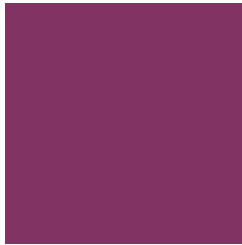
27, 53.170, 349.944



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 34, 40.799, 342.875 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, 40.799, 342.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

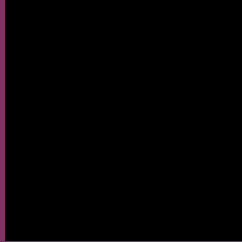
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 40.799, 342.875

Background



This preview shows how black text looks on a background with the CIELCh color 34, 40.799, 342.875.



This preview shows how white text looks on a background with the CIELCh color 34, 40.799, 342.875.

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, 40.799, 342.875

Protanopia

34, 25.809, 285.504

Deuteranopia

34, 10.707, 296.247



Tritanopia
34, 30.970, 20.799

Trichromacy



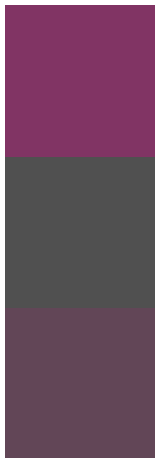
Original Color
34, 40.799, 342.875

Protanomaly
33, 28.774, 309.431

Deuteranomaly
33, 21.160, 326.900

Tritanomaly
34, 32.578, 4.379

Monochromacy



Original Color
34, 40.799, 342.875

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 15.981, 340.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 40.799, 342.875 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, 52, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 52, 100)  
}
```

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, 52, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 52, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 40.799, 342.875 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, 52, 100) }
```

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

```
.border{ border-color:rgb(129, 52, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 52, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 52, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 52, 100);  
box-shadow:4px 4px 4px 4px rgb(129, 52,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 40.799, 342.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 52, 100) }
```

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

```
.background{ background-color: rgb(129, 52,  
100) }
```

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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