

Converting Colors

CIELCh(34, 48.784, 2.834)

Have a look what the booklet for
CIELCh(34, 48.784, 2.834) contains.

CIELCh(34, 48.784, 2.834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(34, 48.784, 2.834)

Conversions

Conversions Part 1

Format	Color
Hex	93244E
RGB	147, 36, 78
RGB Percent	58%, 14%, 31%
CMY	0.4237, 0.8590, 0.6942
CMYK	0.00, 0.76, 0.47, 0.42
HSL	337°, 61%, 36%
HSV	337°, 76%, 58%
XYZ	14.0292, 8.0082, 8.0080
YIQ	73.9770, 52.6740, 36.5940

Conversions

Conversions Part 2

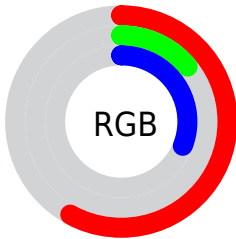
Format	Color
RYB	147, 36, 78
Decimal	9643086
CIELab	34.00, 48.72, 2.41
CIElCh	34, 48.784, 2.834
Yxy	8.0082, 0.4669, 0.2665
Android (android.graphics.Color)	4287833166 (0xFF93244E)
YUV	73.9770, 1.9833, 64.0412
Hunter-Lab	28.2988, 38.9687, 3.0313

Details

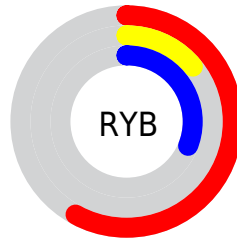
The CIELCh color **34, 48.784, 2.834** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **54, 43.028, 161.501**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 48.771, 2.717**, and **17, 39.866, 10.108** is the 20% darker color. If you saturate the color by 10%, you get **32, 52.593, 6.347**, and if you desaturate by 10%, it is **36, 43.773, 0.053**.

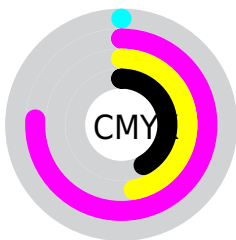
Distribution



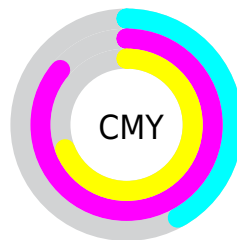
- Red (58%)
- Green (14%)
- Blue (31%)



- Red (58%)
- Yellow (14%)
- Blue (31%)



- Cyan (0%)
- Magenta (76%)
- Yellow (47%)
- Black (42%)



- Cyan (42%)
- Magenta (86%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 48.784, 2.834 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, 48.784, 2.834 by changing the saturation by 10% instead.

 34, 48.784, 2.834

 34, 48.784, 2.834

 100, 48.784, 2.834

 24, 48.784, 2.834

 54, 48.784, 2.834

 14, 48.784, 2.834

 64, 48.784, 2.834

 4, 48.784, 2.834

 74, 48.784, 2.834

 0, 48.784, 2.834

 84, 48.784, 2.834

 94, 48.784, 2.834

 34, 48.784, 2.834

 34, 48.784, 2.834

 32, 52.593, 6.347

 36, 43.773, 0.053

 31, 55.217, 10.692

 39, 37.817,

31, 56.353, 12.688

357.833

43, 31.236,
356.033

46, 24.329,
354.539

50, 17.331,
353.271

54, 10.403,
352.168

59, 3.645, 351.148

63, 2.888, 170.518

67, 9.171, 169.667

Harmonies

Complementary

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



34, 48.784, 2.834



54, 43.028, 161.501

Rectangle

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



34, 48.784, 2.834



34, 48.784, 52.834



34, 48.784, 182.834



34, 48.784, 232.834

Sweetspot

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



34, 48.781, 2.836



66, 19.310, 353.033



30, 68.478, 315.777



33, 13.522, 353.422



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



34, 48.781, 2.836



41, 66.316, 9.475



35, 50.630, 36.881



29, 3.767, 351.526



28, 53.705, 12.343



1, 3.247, 350.758

Inverse Universe

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



34, 48.781, 2.836



41, 66.316, 9.475



51, 27.300, 213.204



29, 3.767, 351.526



28, 53.705, 12.343



1, 3.247, 350.758

Previews

White Background



This preview shows how the CIELCh color 34, 48.784, 2.834 looks on a white background.

Color Contrast Check

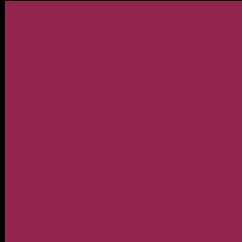
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.784, 2.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

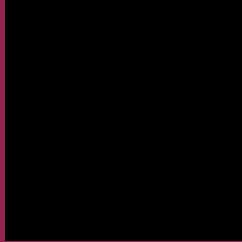
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 48.784, 2.834

Background



This preview shows how black text looks on a background with the CIELCh color 34, 48.784, 2.834.



This preview shows how white text looks on a background with the CIELCh color 34, 48.784, 2.834.

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, 48.784, 2.834

Protanopia

34, 14.472, 285.082

Deuteranopia

34, 7.097, 46.115



Tritanopia
34, 48.300, 28.431

Trichromacy



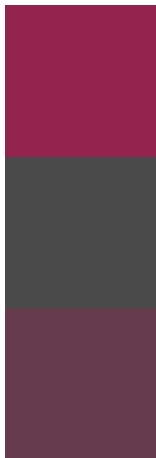
Original Color
34, 48.784, 2.834

Protanomaly
32, 24.087, 332.346

Deuteranomaly
33, 23.056, 5.103

Tritanomaly
34, 47.385, 18.881

Monochromacy



Original Color
34, 48.784, 2.834

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 20.356, 355.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 48.784, 2.834 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(147, 36, 78)` looks like.

```
.text, #text, p{  
    color:rgb(147, 36, 78)  
}
```

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(147, 36, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 36, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 48.784, 2.834 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(147, 36, 78) }
```

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

```
.border{ border-color:rgb(147, 36, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 36, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 36, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 36, 78);  
box-shadow:4px 4px 4px 4px rgb(147, 36,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 48.784, 2.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 36, 78) }
```

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

```
.background{ background-color: rgb(147, 36,  
78) }
```

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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