

Converting Colors

CIELCh(34, 49.505, 29.867)

Have a look what the booklet for
CIELCh(34, 49.505, 29.867) contains.

CIELCh(34, 49.747, 30.035)	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, 49.747, 30.035)

Conversions

Conversions Part 1

Format	Color
Hex	922B2B
RGB	146, 43, 43
RGB Percent	57%, 17%, 17%
CMY	0.4276, 0.8315, 0.8315
CMYK	0.00, 0.71, 0.71, 0.43
HSL	0°, 55%, 37%
HSV	0°, 71%, 57%
XYZ	13.1472, 8.0082, 3.1362
YIQ	73.7970, 61.3880, 21.8360

Conversions

Conversions Part 2

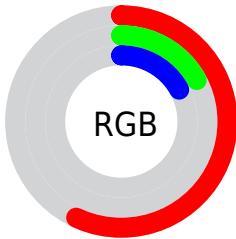
Format	Color
RYB	146, 43, 43
Decimal	9579307
CIELab	34.00, 43.07, 24.90
CIElCh	34, 49.747, 30.035
Yxy	8.0082, 0.5412, 0.3297
Android (android.graphics.Color)	4287769387 (0xFF922B2B)
YUV	73.7970, -15.1829, 63.3220
Hunter-Lab	28.2988, 33.4057, 13.2384

Details

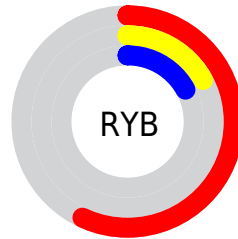
The CIELCh color **34, 49.747, 30.035** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **55, 29.520, 196.696**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 49.619, 29.636**, and **16, 44.820, 33.969** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.119, 33.372**, and if you desaturate by 10%, it is **37, 42.011, 27.217**.

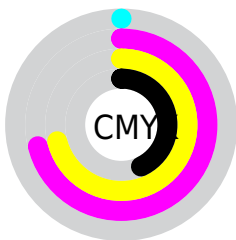
Distribution



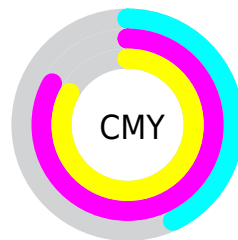
- Red (57%)
- Green (17%)
- Blue (17%)



- Red (57%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (71%)
- Yellow (71%)
- Black (43%)



- Cyan (43%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 49.747, 30.035 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, 49.747, 30.035 by changing the saturation by 10% instead.

■ 34, 49.747, 30.035

■ 34, 49.747, 30.035

■ 100, 49.747,
30.035

■ 24, 49.747, 30.035

■ 54, 49.747, 30.035

■ 14, 49.747, 30.035

■ 64, 49.747, 30.035

■ 4, 49.747, 30.035

■ 74, 49.747, 30.035

■ 0, 49.747, 30.035

■ 84, 49.747, 30.035

■ 94, 49.747, 30.035

■ 34, 49.747, 30.035

■ 34, 49.747, 30.035

■ 32, 57.119, 33.372

■ 37, 42.011, 27.217

31, 63.577, 36.815

40, 34.233, 24.969

30, 68.298, 39.288

44, 26.640, 23.222

48, 19.389, 21.876

52, 12.568, 20.831

56, 6.212, 19.996

60, 0.316, 18.059

65, 5.146, 199.035

69, 10.213,
198.600

Harmonies

Complementary

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



34, 49.747, 30.035



55, 29.520, 196.696

Rectangle

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



34, 49.747, 30.035



34, 49.747, 80.035



34, 49.747, 210.035



34, 49.747, 260.035

Sweetspot

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



34, 49.745, 30.038



65, 15.883, 20.912



38, 65.300, 327.732



33, 10.814, 21.148



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



34, 49.745, 30.038



41, 74.038, 35.531



45, 40.518, 66.662



29, 3.343, 19.893



28, 65.126, 38.929



1, 2.828, 19.405

Inverse Universe

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



55, 29.520, 196.696



70, 38.749, 196.474



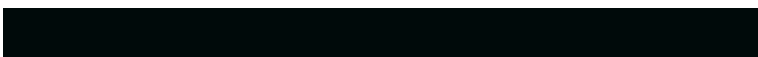
39, 33.363, 271.037



31, 3.160, 199.003



52, 31.694, 196.387



2, 2.828, 199.422

Previews

White Background



This preview shows how the CIELCh color 34, 49.747, 30.035 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, 49.747, 30.035 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, 49.747, 30.035

Background



This preview shows how black text looks on a background with the CIELCh color 34, 49.747, 30.035.

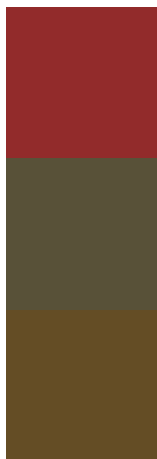


This preview shows how white text looks on a background with the CIELCh color 34, 49.747, 30.035.

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, 49.747, 30.035

Protanopia

34, 15.841, 95.264

Deuteranopia

34, 27.440, 80.488



Tritanopia
34, 49.250, 28.752

Trichromacy



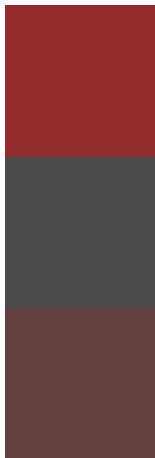
Original Color
34, 49.747, 30.035

Protanomaly
33, 23.707, 46.744

Deuteranomaly
33, 32.309, 51.768

Tritanomaly
34, 49.495, 29.398

Monochromacy



Original Color
34, 49.747, 30.035

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 17.519, 22.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 49.747, 30.035 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(146, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(146, 43, 43)  
}
```

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(146, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 43, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 49.747, 30.035 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(146, 43, 43) }
```

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

```
.border{ border-color:rgb(146, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(146, 43,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 49.747, 30.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 43, 43) }
```

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

```
.background{ background-color: rgb(146, 43,  
43) }
```

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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