

Converting Colors

CIELCh(34, 48.710, 299.654)

Have a look what the booklet for
CIELCh(34, 48.710, 299.654)
contains.

| | |
|--|----|
| CIELCh(34, 48.710, 299.653) | 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, 48.710, 299.653)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 4C4694 |
| RGB | 76, 70, 148 |
| RGB Percent | 30%, 27%, 58% |
| CMY | 0.7030, 0.7264, 0.4206 |
| CMYK | 0.49, 0.53, 0.00, 0.42 |
| HSL | 245°, 36%, 43% |
| HSV | 245°, 53%, 58% |
| XYZ | 10.4611, 8.0082, 28.9043 |
| YIQ | 80.6860, -21.4620, 25.5300 |

Conversions

Conversions Part 2

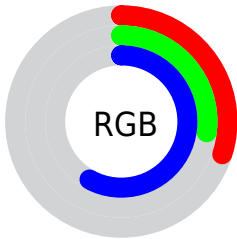
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 76, 70, 148 |
| Decimal | 4998804 |
| CIE _{Lab} | 34.00, 24.10, -42.33 |
| CIE _{LCh} | 34, 48.710, 299.653 |
| Yxy | 8.0082, 0.2208, 0.1690 |
| Android (android.graphics.Color) | 4283188884 (0xFF4C4694) |
| YUV | 80.6860, 33.1858, -4.1096 |
| Hunter-Lab | 28.2988, 16.4625, -40.7494 |

Details

The CIELCh color $[34, 48.710, 299.653]$ is a dark color, and the websafe version is hex 333399 . A complement of this color would be $[59, 42.289, 108.939]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 49.200, 299.983]$, and $[14, 48.682, 299.490]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 58.868, 301.388]$, and if you desaturate by 10%, it is $[39, 38.734, 298.055]$.

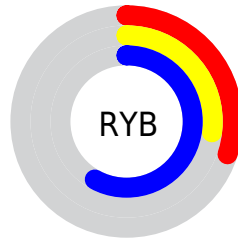
Distribution



 Red (30%)

 Green (27%)

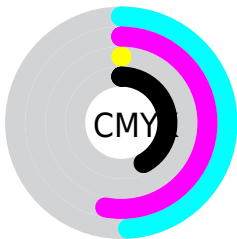
 Blue (58%)





 Red (30%)

 Yellow (27%)

 Blue (58%)

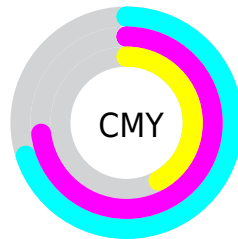


 Cyan (49%)

 Magenta (53%)

 Yellow (0%)

 Black (42%)



 Cyan (70%)

 Magenta (73%)


 Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 48.710, 299.653 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, 48.710, 299.653 by changing the saturation by 10% instead.


 34, 48.710,
299.653

 34, 48.710,
299.653

 100, 48.710,
299.653


 24, 48.710,
299.653

 54, 48.710,
299.653

 14, 48.710,
299.653

 64, 48.710,
299.653

 4, 48.710, 299.653

 74, 48.710,
299.653

 0, 48.710, 299.653

 84, 48.710,
299.653

 94, 48.710,
299.653

■ 34, 48.710,
299.653

■ 34, 48.710,
299.653

■ 29, 58.868,
301.388

■ 39, 38.734,
298.055

■ 25, 68.838,
303.149

■ 44, 29.087,
296.635

■ 21, 77.861,
304.738

■ 49, 19.808,
295.399

■ 18, 84.746,
305.882

■ 55, 10.893,
294.335

■ 17, 88.652,
306.584

■ 60, 2.324, 293.431

■ 65, 5.921, 112.631

■ 70, 13.867,
111.963

■ 75, 21.532,
111.387

■ 80, 28.937,
110.891

Harmonies

Complementary

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



34, 48.710, 299.653



59, 42.289, 108.939

Rectangle

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



34, 48.710, 299.653



34, 48.710, 349.653



34, 48.710, 119.653



34, 48.710, 169.653

Sweetspot

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



34, 48.710, 299.654



67, 16.960, 294.694



55, 23.251, 204.741



34, 11.583, 294.889



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, 48.710, 299.654



38, 73.061, 301.653



38, 49.546, 313.725



29, 4.790, 293.993



15, 84.188, 306.609



0, 4.122, 293.189

Inverse Universe

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



42, 49.861, 329.466



51, 70.897, 330.029



57, 46.530, 128.999



29, 5.481, 327.058



32, 68.924, 331.450



1, 4.766, 326.571

Previews

White Background



This preview shows how the CIELCh color 34, 48.710, 299.653 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, 48.710, 299.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

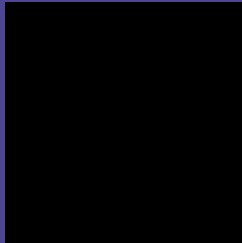
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 48.710, 299.653

Background



This preview shows how black text looks on a background with the CIELCh color 34, 48.710, 299.653.



This preview shows how white text looks on a background with the CIELCh color 34, 48.710, 299.653.

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, 48.710, 299.653

Protanopia

34, 49.566, 287.042

Deuteranopia

34, 40.830, 276.157



Tritanopia
34, 10.322, 223.597

Trichromacy



Original Color
34, 48.710, 299.653

Protanomaly
34, 49.417, 290.945

Deuteranomaly
33, 43.263, 282.743

Tritanomaly
34, 21.068, 280.389

Monochromacy



Original Color
34, 48.710, 299.653

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.293, 295.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 48.710, 299.653 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(76, 70, 148)` looks like.

```
.text, #text, p{  
    color:rgb(76, 70, 148)  
}
```

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(76, 70, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 70, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 48.710, 299.653 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(76, 70, 148) }
```

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

```
.border{ border-color:rgb(76, 70, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 70, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 70, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 70, 148);  
box-shadow:4px 4px 4px 4px rgb(76, 70,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 48.710, 299.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 70, 148) }
```

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

```
.background{ background-color: rgb(76, 70,  
148) }
```

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