

Converting Colors

CIELCh(34, 51.454, 298.528)

Have a look what the booklet for
CIELCh(34, 51.454, 298.528)
contains.

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Color

CIELCh(34, 51.118, 298.606)

Conversions

Conversions Part 1

Format	Color
Hex	484698
RGB	72, 70, 152
RGB Percent	28%, 27%, 60%
CMY	0.7180, 0.7258, 0.4043
CMYK	0.53, 0.54, 0.00, 0.40
HSL	241°, 37%, 43%
HSV	241°, 54%, 60%
XYZ	10.5103, 8.0082, 30.6570
YIQ	79.9460, -25.1300, 25.9260

Conversions

Conversions Part 2

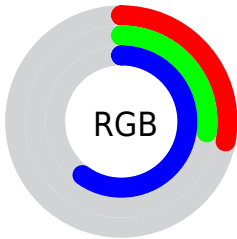
Format	Color
R_{YB}	72, 70, 152
Decimal	4736664
CIE _{Lab}	34.00, 24.47, -44.88
CIE _{LCh}	34, 51.118, 298.606
Yxy	8.0082, 0.2137, 0.1628
Android (android.graphics.Color)	4282926744 (0xFF484698)
YUV	79.9460, 35.5226, -6.9686
Hunter-Lab	28.2988, 16.7731, -44.4216

Details

The CIELCh color **34, 51.118, 298.606** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **61, 44.053, 106.373**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 51.394, 298.640**, and **14, 50.816, 298.423** is the 20% darker color. If you saturate the color by 10%, you get **29, 61.596, 300.607**, and if you desaturate by 10%, it is **39, 40.830, 296.767**.

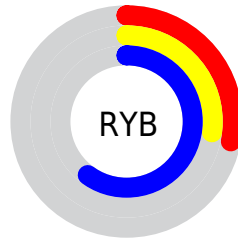
Distribution



Red (28%)

Green (27%)

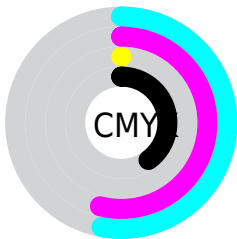
Blue (60%)



Red (28%)

Yellow (27%)

Blue (60%)

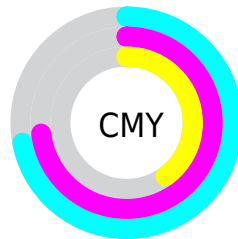


Cyan (53%)

Magenta (54%)

Yellow (0%)

Black (40%)



Cyan (72%)

Magenta (73%)

Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 51.118, 298.606 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, 51.118, 298.606 by changing the saturation by 10% instead.


 34, 51.118,
298.606

 34, 51.118,
298.606


 100, 51.118,
298.606

 24, 51.118,
298.606


 54, 51.118,
298.606

 14, 51.118,
298.606

 64, 51.118,
298.606

 4, 51.118, 298.606

 74, 51.118,
298.606

 0, 51.118, 298.606

 84, 51.118,
298.606

 94, 51.118,
298.606

■ 34, 51.118,
298.606

■ 34, 51.118,
298.606

■ 29, 61.596,
300.607

■ 39, 40.830,
296.767

■ 24, 71.833,
302.631

■ 45, 30.897,
295.140

■ 21, 80.933,
304.437

■ 50, 21.356,
293.733

■ 18, 87.553,
305.717

■ 55, 12.200,
292.530

■ 17, 90.775,
306.378

■ 61, 3.406, 291.512

■ 66, 5.053, 110.613

■ 71, 13.201,
109.870

■ 77, 21.060,
109.230

■ 82, 28.651,
108.678

Harmonies

Complementary

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



34, 51.118, 298.606



61, 44.053, 106.373

Rectangle

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



34, 51.118, 298.606



34, 51.118, 348.606



34, 51.118, 118.606



34, 51.118, 168.606

Sweetspot

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



34, 51.118, 298.607



69, 17.302, 292.795



58, 25.400, 198.899



35, 11.818, 293.014



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



34, 51.118, 298.607



37, 77.371, 301.077



38, 51.638, 312.250



29, 4.919, 292.024



15, 85.624, 306.387



0, 5.231, 291.117

Inverse Universe

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



43, 53.842, 327.876



52, 76.732, 328.371



58, 47.907, 127.246



30, 5.843, 325.569



33, 72.705, 329.198



1, 6.268, 325.179

Previews

White Background



This preview shows how the CIE LCh color 34, 51.118, 298.606 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, 51.118, 298.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

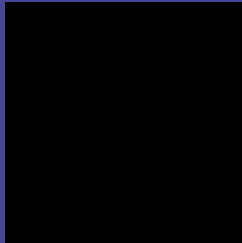
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 51.118, 298.606

Background



This preview shows how black text looks on a background with the CIELCh color 34, 51.118, 298.606.



This preview shows how white text looks on a background with the CIELCh color 34, 51.118, 298.606.

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, 51.118, 298.606

Protanopia

34, 52.059, 287.003

Deuteranopia

34, 39.723, 274.756



Tritanopia
34, 12.699, 218.301

Trichromacy



Original Color
34, 51.118, 298.606

Protanomaly
34, 51.955, 290.227

Deuteranomaly
33, 43.270, 282.079

Tritanomaly
34, 22.112, 275.343

Monochromacy



Original Color
34, 51.118, 298.606

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.903, 294.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 51.118, 298.606 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(72, 70, 152)` looks like.

```
.text, #text, p{  
    color:rgb(72, 70, 152)  
}
```

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(72, 70, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 70, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 51.118, 298.606 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(72, 70, 152) }
```

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

```
.border{ border-color:rgb(72, 70, 152) }
```

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

Here you see how a box with a 4 pixel rgb(72, 70, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 70, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 70, 152);  
box-shadow:4px 4px 4px 4px rgb(72, 70,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 51.118, 298.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 70, 152) }
```

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

```
.background{ background-color: rgb(72, 70,  
152) }
```

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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