

Converting Colors

CIELCh(34, 45.046, 298.315)

Have a look what the booklet for
CIELCh(34, 45.046, 298.315)
contains.

CIELCh(34, 45.046, 298.315)	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, 45.046, 298.315)

Conversions

Conversions Part 1

Format	Color
Hex	4A478F
RGB	74, 71, 143
RGB Percent	29%, 28%, 56%
CMY	0.7084, 0.7204, 0.4379
CMYK	0.48, 0.50, 0.00, 0.44
HSL	243°, 34%, 42%
HSV	243°, 50%, 56%
XYZ	10.1072, 8.0082, 27.1373
YIQ	80.1050, -21.3240, 23.0280

Conversions

Conversions Part 2

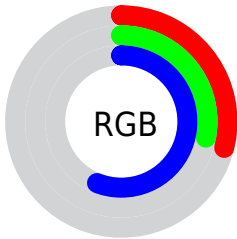
Format	Color
R_{YB}	74, 71, 143
Decimal	4867983
CIE _{Lab}	34.00, 21.37, -39.66
CIE _{LCh}	34, 45.046, 298.315
Yxy	8.0082, 0.2234, 0.1770
Android (android.graphics.Color)	4283058063 (0xFF4A478F)
YUV	80.1050, 31.0072, -5.3541
Hunter-Lab	28.2988, 14.2304, -37.0474

Details

The CIELCh color $34, 45.046, 298.315$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $58, 39.415, 107.529$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 45.151, 298.496$, and $14, 44.823, 298.091$ is the 20% darker color. If you saturate the color by 10%, you get $29, 54.976, 300.170$, and if you desaturate by 10%, it is $39, 35.368, 296.636$.

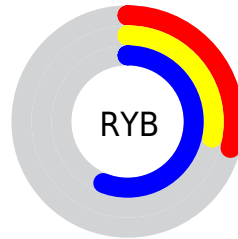
Distribution



Red (29%)

Green (28%)

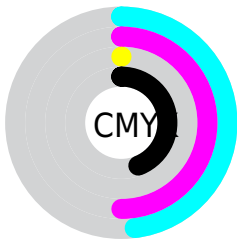
Blue (56%)



Red (29%)

Yellow (28%)

Blue (56%)

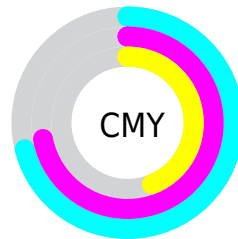


Cyan (48%)

Magenta (50%)

Yellow (0%)

Black (44%)



Cyan (71%)


Magenta (72%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 45.046, 298.315 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, 45.046, 298.315 by changing the saturation by 10% instead.


 34, 45.046,
298.315


 34, 45.046,
298.315

 100, 45.046,
298.315


 24, 45.046,
298.315

 54, 45.046,
298.315


 14, 45.046,
298.315


 64, 45.046,
298.315

 4, 45.046, 298.315

 74, 45.046,
298.315

 0, 45.046, 298.315

 84, 45.046,
298.315

 94, 45.046,
298.315

■ 34, 45.046,
298.315

■ 34, 45.046,
298.315

■ 29, 54.976,
300.170

■ 39, 35.368,
296.636

■ 25, 64.874,
302.105

■ 44, 26.043,
295.162

■ 21, 74.100,
303.934

■ 49, 17.086,
293.889

■ 18, 81.547,
305.379

■ 54, 8.485, 292.800

■ 59, 0.217, 292.037

■ 16, 86.898,
306.456

■ 64, 7.742, 111.060

■ 69, 15.414,
110.380

■ 74, 22.818,
109.794

■ 79, 29.974,
109.288

Harmonies

Complementary

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



34, 45.046, 298.315



58, 39.415, 107.529

Rectangle

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



34, 45.046, 298.315



34, 45.046, 348.315



34, 45.046, 118.315



34, 45.046, 168.315

Sweetspot

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



34, 45.046, 298.316



66, 15.505, 293.329



54, 22.655, 200.816



34, 10.701, 293.538



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, 45.046, 298.316



38, 67.851, 300.361



38, 45.897, 312.578



27, 4.646, 292.692



14, 83.242, 306.468



0, 3.088, 291.840

Inverse Universe

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



42, 47.687, 328.243



50, 68.372, 328.739



55, 42.974, 127.976



28, 5.450, 326.063



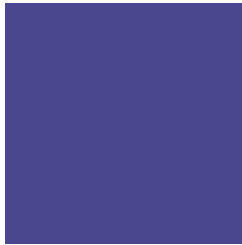
31, 69.815, 329.939



1, 3.660, 325.587

Previews

White Background



This preview shows how the CIE LCh color 34, 45.046, 298.315 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, 45.046, 298.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

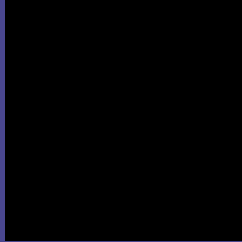
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 45.046, 298.315

Background



This preview shows how black text looks on a background with the CIELCh color 34, 45.046, 298.315.



This preview shows how white text looks on a background with the CIELCh color 34, 45.046, 298.315.

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, 45.046, 298.315

Protanopia

34, 45.223, 286.138

Deuteranopia

34, 38.636, 277.479



Tritanopia
34, 10.322, 223.597

Trichromacy



Original Color
34, 45.046, 298.315

Protanomaly
34, 45.029, 289.717

Deuteranomaly
34, 41.063, 285.037

Tritanomaly
34, 19.871, 279.210

Monochromacy



Original Color
34, 45.046, 298.315

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.366, 294.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 45.046, 298.315 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(74, 71, 143)` looks like.

```
.text, #text, p{  
    color:rgb(74, 71, 143)  
}
```

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(74, 71, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 71, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 45.046, 298.315 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(74, 71, 143) }
```

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

```
.border{ border-color:rgb(74, 71, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 71, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 71, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 71, 143);  
box-shadow:4px 4px 4px 4px rgb(74, 71,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 45.046, 298.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 71, 143) }
```

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

```
.background{ background-color: rgb(74, 71,  
143) }
```

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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