

Converting Colors

CIELCh(54, 37.803, 311.719)

Have a look what the booklet for
CIELCh(54, 37.803, 311.719)
contains.

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Color

CIELCh(54, 37.628, 311.820)

Conversions

Conversions Part 1

Format	Color
Hex	9574B2
RGB	149, 116, 178
RGB Percent	58%, 45%, 70%
CMY	0.4170, 0.5464, 0.3033
CMYK	0.16, 0.35, 0.00, 0.30
HSL	272°, 29%, 58%
HSV	272°, 35%, 70%
XYZ	26.5419, 21.9746, 44.7796
YIQ	132.9350, -0.2340, 26.2780

Conversions

Conversions Part 2

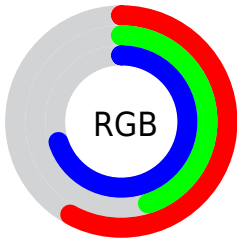
Format	Color
RYB	149, 116, 178
Decimal	9794738
CIELab	54.00, 25.09, -28.04
CIElCh	54, 37.628, 311.820
Yxy	21.9746, 0.2845, 0.2355
Android (android.graphics.Color)	4287984818 (0xFF9574B2)
YUV	132.9350, 22.2170, 14.0890
Hunter-Lab	46.8770, 19.0322, -23.8233

Details

The CIELCh color $54, 37.628, 311.820$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $69, 35.968, 128.592$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 37.911, 311.945$, and $34, 37.756, 311.859$ is the 20% darker color. If you saturate the color by 10%, you get $49, 48.754, 312.324$, and if you desaturate by 10%, it is $59, 26.562, 311.316$.

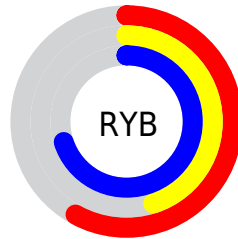
Distribution



Red (58%)

Green (45%)

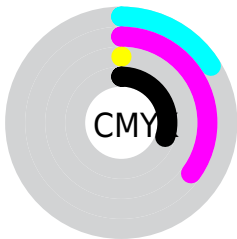
Blue (70%)



Red (58%)

Yellow (45%)

Blue (70%)

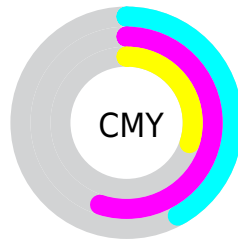


Cyan (16%)

Magenta (35%)

Yellow (0%)

Black (30%)



Cyan (42%)


Magenta (55%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 37.628, 311.820 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 54, 37.628, 311.820 by changing the saturation by 10% instead.


 54, 37.628,
311.820


 54, 37.628,
311.820


 100, 37.628,
311.820


 44, 37.628,
311.820


 74, 37.628,
311.820

 34, 37.628,
311.820

 84, 37.628,
311.820

 24, 37.628,
311.820

 94, 37.628,
311.820

 14, 37.628,
311.820

 4, 37.628, 311.820

 0, 37.628, 311.820

54, 37.628,
311.820

54, 37.628,
311.820

49, 48.754,
312.324

59, 26.562,
311.316

44, 59.718,
312.793

65, 15.690,
310.832

40, 70.153,
313.175

70, 5.083, 310.368

35, 79.521,
313.394

75, 5.228, 130.004

32, 87.137,
313.352

81, 15.230,
129.620

30, 92.340,
312.949

86, 24.927,
129.288

28, 94.460,
312.687

91, 34.325,
128.996

96, 41.833,
128.183

■ 96, 40.761,
124.245

Harmonies

Complementary

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



54, 37.628, 311.820



69, 35.968, 128.592

Rectangle

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



54, 37.628, 311.820



54, 37.628, 1.820



54, 37.628, 131.820



54, 37.628, 181.820

Sweetspot

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



54, 37.626, 311.820



85, 13.017, 310.612



59, 20.291, 262.886



45, 8.969, 310.677



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



54, 37.626, 311.820



65, 56.621, 312.217



57, 40.951, 326.762



35, 5.949, 310.573



24, 84.510, 312.820



1, 13.916, 306.304

Inverse Universe

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



56, 29.182, 348.856



68, 43.592, 349.879



67, 40.985, 142.374



35, 4.656, 346.165



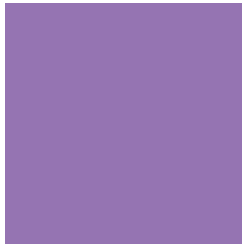
32, 57.710, 4.345



2, 10.420, 351.650

Previews

White Background



This preview shows how the CIELCh color 54, 37.628, 311.820 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 54, 37.628, 311.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

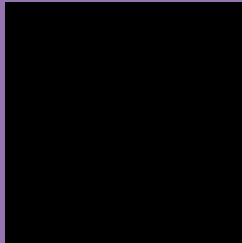
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 37.628, 311.820

Background



This preview shows how black text looks on a background with the CIELCh color 54, 37.628, 311.820.



This preview shows how white text looks on a background with the CIELCh color 54, 37.628, 311.820.

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
54, 37.628, 311.820

Protanopia
54, 34.753, 285.550

Deuteranopia
54, 27.794, 285.996



Tritanopia
54, 9.202, 341.727

Trichromacy



Original Color
54, 37.628, 311.820

Protanomaly
54, 35.226, 294.842

Deuteranomaly
54, 30.709, 296.932

Tritanomaly
54, 18.947, 319.429

Monochromacy



Original Color
54, 37.628, 311.820

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 13.515, 311.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 37.628, 311.820 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(149, 116, 178)` looks like.

```
.text, #text, p{  
    color:rgb(149, 116, 178)  
}
```

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(149, 116, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 116, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 37.628, 311.820 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(149, 116, 178) }
```

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

```
.border{ border-color:rgb(149, 116, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 116, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 116, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 116, 178);  
box-shadow:4px 4px 4px 4px rgb(149, 116,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 37.628, 311.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 116, 178) }
```

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

```
.background{ background-color: rgb(149,  
116, 178) }
```

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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