

Converting Colors

CIELCh(54, 38.739, 301.031)

Have a look what the booklet for
CIELCh(54, 38.739, 301.031)
contains.

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Color

CIELCh(54, 38.436, 300.928)

Conversions

Conversions Part 1

Format	Color
Hex	8578BA
RGB	133, 120, 186
RGB Percent	52%, 47%, 73%
CMY	0.4783, 0.5293, 0.2705
CMYK	0.28, 0.35, 0.00, 0.27
HSL	252°, 32%, 60%
HSV	252°, 35%, 73%
XYZ	25.2630, 21.9746, 49.3807
YIQ	131.4110, -13.4380, 23.2820

Conversions

Conversions Part 2

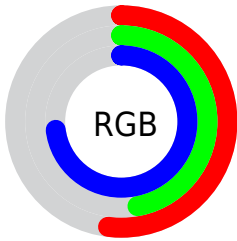
Format	Color
R _Y B	133, 120, 186
Decimal	8747194
CIE Lab	54.00, 19.75, -32.97
CIE LCh	54, 38.436, 300.928
Yxy	21.9746, 0.2615, 0.2274
Android (android.graphics.Color)	4286937274 (0xFF8578BA)
YUV	131.4110, 26.9124, 1.3936
Hunter-Lab	46.8770, 14.1626, -29.6428

Details

The CIELCh color $54, 38.436, 300.928$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $73, 35.443, 115.462$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 38.407, 300.881$, and $34, 38.440, 301.022$ is the 20% darker color. If you saturate the color by 10%, you get $48, 50.154, 302.062$, and if you desaturate by 10%, it is $60, 27.086, 299.915$.

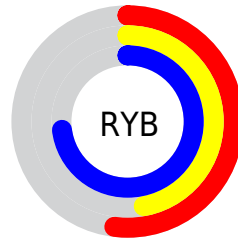
Distribution



Red (52%)

Green (47%)

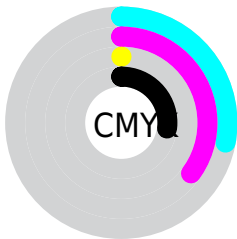
Blue (73%)



Red (52%)

Yellow (47%)

Blue (73%)

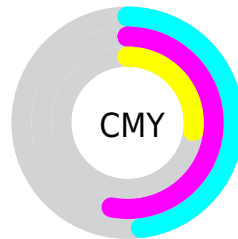


Cyan (28%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (48%)


Magenta (53%)

Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 38.436, 300.928 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, 38.436, 300.928 by changing the saturation by 10% instead.

 54, 38.436,
300.928

 54, 38.436,
300.928

 100, 38.436,
300.928

 44, 38.436,
300.928


 74, 38.436,
300.928

 34, 38.436,
300.928

 84, 38.436,
300.928

 24, 38.436,
300.928

 94, 38.436,
300.928

 14, 38.436,
300.928

 4, 38.436, 300.928

 0, 38.436, 300.928

54, 38.436,
300.928

54, 38.436,
300.928

48, 50.154,
302.062

60, 27.086,
299.915

42, 62.125,
303.293

66, 16.146,
299.027

37, 74.058,
304.561

72, 5.613, 298.253

32, 85.357,
305.747

78, 4.529, 117.590

27, 94.994,
306.663

84, 14.302,
117.014

24, 101.661,
307.087

90, 23.728,
116.520

23, 104.038,
307.230

96, 32.830,
116.095

98, 34.692,
109.094

■ 99, 34.674,
107.536

Harmonies

Complementary

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



54, 38.436, 300.928



73, 35.443, 115.462

Rectangle

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



54, 38.436, 300.928



54, 38.436, 350.928



54, 38.436, 120.928



54, 38.436, 170.928

Sweetspot

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



54, 38.435, 300.928



87, 14.106, 298.681



68, 18.787, 219.032



46, 9.579, 298.788



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



54, 38.435, 300.928



63, 58.590, 301.853



57, 40.769, 316.712



36, 5.780, 298.538



19, 91.027, 307.323



1, 15.481, 295.981

Inverse Universe

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



59, 38.235, 332.697



71, 56.918, 333.266



71, 39.640, 133.508



36, 6.027, 330.967



35, 68.695, 337.818



3, 15.431, 333.753

Previews

White Background



This preview shows how the CIELCh color 54, 38.436, 300.928 looks on a white background.

Color Contrast Check

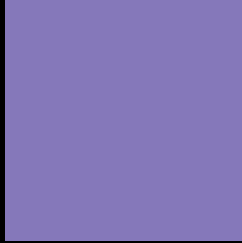
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.436, 300.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

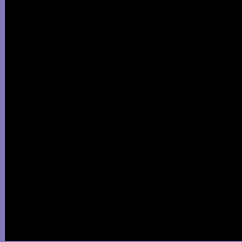
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 38.436, 300.928

Background



This preview shows how black text looks on a background with the CIELCh color 54, 38.436, 300.928.



This preview shows how white text looks on a background with the CIELCh color 54, 38.436, 300.928.

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

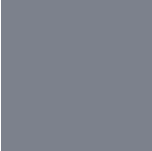
54, 38.436, 300.928

Protanopia

54, 37.654, 285.380

Deuteranopia

54, 32.596, 282.973



Tritanopia
54, 6.584, 274.228

Trichromacy



Original Color
54, 38.436, 300.928

Protanomaly
54, 38.067, 290.919

Deuteranomaly
54, 34.613, 290.060

Tritanomaly
54, 17.922, 293.492

Monochromacy



Original Color
54, 38.436, 300.928

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 14.003, 299.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 38.436, 300.928 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(133, 120, 186)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 186)  
}
```

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(133, 120, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 38.436, 300.928 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(133, 120, 186) }
```

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

```
.border{ border-color:rgb(133, 120, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 186);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 38.436, 300.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 186) }
```

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

```
.background{ background-color: rgb(133,  
120, 186) }
```

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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