

Converting Colors

CIELCh(54, 28.988, 301.001)

Have a look what the booklet for
CIELCh(54, 28.988, 301.001)
contains.

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Color

CIELCh(54, 29.228, 301.026)

Conversions

Conversions Part 1

Format	Color
Hex	857AAC
RGB	133, 122, 172
RGB Percent	52%, 48%, 67%
CMY	0.4774, 0.5206, 0.3245
CMYK	0.23, 0.29, 0.00, 0.32
HSL	253°, 23%, 58%
HSV	253°, 29%, 68%
XYZ	24.1735, 21.9746, 42.1281
YIQ	130.9890, -9.4940, 17.8820

Conversions

Conversions Part 2

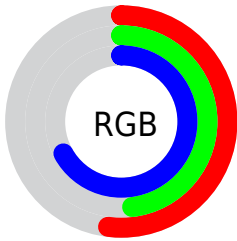
Format	Color
R_{YB}	133, 122, 172
Decimal	8747692
CIE _{Lab}	54.00, 15.06, -25.05
CIE _{LCh}	54, 29.228, 301.026
Yxy	21.9746, 0.2738, 0.2489
Android (android.graphics.Color)	4286937772 (0xFF857AAC)
YUV	130.9890, 20.2184, 1.7636
Hunter-Lab	46.8770, 10.0138, -20.4696

Details

The CIELCh color $54, 29.228, 301.026$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $68, 27.457, 116.872$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 29.728, 301.298$, and $34, 29.155, 301.071$ is the 20% darker color. If you saturate the color by 10%, you get $48, 40.009, 302.019$, and if you desaturate by 10%, it is $60, 18.808, 300.144$.

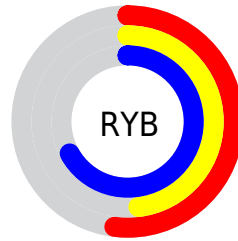
Distribution



Red (52%)

Green (48%)

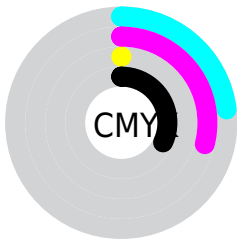
Blue (67%)



Red (52%)

Yellow (48%)

Blue (67%)

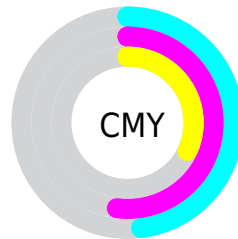


Cyan (23%)

Magenta (29%)

Yellow (0%)

Black (32%)



Cyan (48%)

Magenta (52%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 29.228, 301.026 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, 29.228, 301.026 by changing the saturation by 10% instead.

■ 54, 29.228,
301.026

■ 54, 29.228,
301.026

■ 100, 29.228,
301.026

■ 44, 29.228,
301.026

■ 74, 29.228,
301.026

■ 34, 29.228,
301.026

■ 84, 29.228,
301.026

■ 24, 29.228,
301.026

■ 94, 29.228,
301.026

■ 14, 29.228,
301.026

■ 4, 29.228, 301.026

■ 0, 29.228, 301.026

54, 29.228,
301.026

54, 29.228,
301.026

48, 40.009,
302.019

60, 18.808,
300.144

43, 51.093,
303.116

65, 8.765, 299.372

37, 62.322,
304.282

71, 0.910, 118.723

32, 73.345,
305.442

77, 10.236,
118.128

28, 83.499,
306.463

82, 19.232,
117.628

24, 91.736,
307.151

88, 27.918,
117.197

22, 97.394,
307.435

93, 36.316,
116.827

22, 97.919,

97, 41.839,
114.575

307.474

 98, 41.436,
107.462

Harmonies

Complementary

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



54, 29.228, 301.026



68, 27.457, 116.872

Rectangle

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



54, 29.228, 301.026



54, 29.228, 351.026



54, 29.228, 121.026



54, 29.228, 171.026

Sweetspot

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



54, 29.227, 301.026



83, 10.830, 299.381



64, 14.599, 222.980



43, 7.535, 299.485



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



54, 29.227, 301.026



65, 44.214, 301.668



56, 31.460, 317.484



34, 5.525, 299.392



18, 88.532, 307.555



1, 11.452, 297.201

Inverse Universe

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



57, 29.016, 333.113



70, 43.243, 333.574



67, 30.839, 134.883



34, 5.655, 331.789



34, 65.949, 339.184



2, 11.232, 334.166

Previews

White Background



This preview shows how the CIELCh color 54, 29.228, 301.026 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, 29.228, 301.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

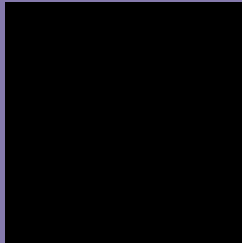
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 29.228, 301.026

Background



This preview shows how black text looks on a background with the CIELCh color 54, 29.228, 301.026.



This preview shows how white text looks on a background with the CIELCh color 54, 29.228, 301.026.

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, 29.228, 301.026

Protanopia

54, 28.392, 285.602

Deuteranopia

54, 25.464, 286.402



Tritanopia
54, 5.803, 283.317

Trichromacy



Original Color
54, 29.228, 301.026

Protanomaly
54, 28.856, 291.627

Deuteranomaly
54, 26.560, 292.615

Tritanomaly
54, 13.889, 294.899

Monochromacy



Original Color
54, 29.228, 301.026

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 10.512, 299.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 29.228, 301.026 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, 122, 172)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 172)  
}
```

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, 122, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 29.228, 301.026 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, 122, 172) }
```

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

```
.border{ border-color:rgb(133, 122, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 172);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 29.228, 301.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 172) }
```

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

```
.background{ background-color: rgb(133,  
122, 172) }
```

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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