

# Converting Colors

CIELCh(54, 18.588, 296.863)

Have a look what the booklet for  
CIELCh(54, 18.588, 296.863)  
contains.

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# Color

**CIELCh(54, 18.562, 296.851)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	827E9E
RGB	130, 126, 158
RGB Percent	51%, 49%, 62%
CMY	0.4919, 0.5076, 0.3822
CMYK	0.18, 0.20, 0.00, 0.38
HSL	247°, 14%, 56%
HSV	247°, 20%, 62%
XYZ	22.6761, 21.9746, 35.1893
YIQ	130.8440, -7.8880, 10.8000

# Conversions

## Conversions Part 2

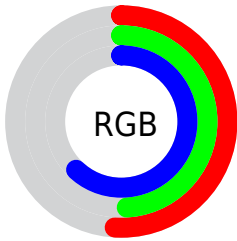
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 126, 158
Decimal	8552094
CIE <sub>Lab</sub>	54.00, 8.38, -16.56
CIE <sub>LCh</sub>	54, 18.562, 296.851
Y <sub>xy</sub>	21.9746, 0.2840, 0.2752
Android (android.graphics.Color)	4286742174 (0xFF827E9E)
YUV	130.8440, 13.3879, -0.7402
Hunter-Lab	46.8770, 4.3119, -11.6935

# Details

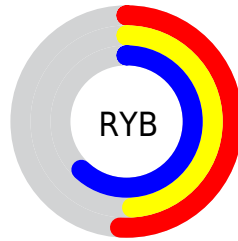
The CIELCh color  $54, 18.562, 296.851$  is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be  $64, 17.749, 113.529$ , and the grayscale version is  $54, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 18.507, 296.197$ , and  $34, 18.899, 296.714$  is the 20% darker color. If you saturate the color by 10%, you get  $49, 28.257, 297.936$ , and if you desaturate by 10%, it is  $59, 9.237, 295.911$ .

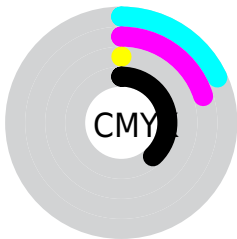
# Distribution



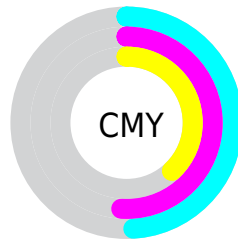
- Red (51%)
- Green (49%)
- Blue (62%)



- Red (51%)
- Yellow (49%)
- Blue (62%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)




- Cyan (49%)
- Magenta (51%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 18.562, 296.851 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, 18.562, 296.851 by changing the saturation by 10% instead.





 54, 18.562,  
296.851


 54, 18.562,  
296.851


 100, 18.562,  
296.851


 44, 18.562,  
296.851


 74, 18.562,  
296.851

 34, 18.562,  
296.851

 84, 18.562,  
296.851

 24, 18.562,  
296.851

 94, 18.562,  
296.851

 14, 18.562,  
296.851

 4, 18.562, 296.851

 0, 18.562, 296.851

54, 18.562,  
296.851

54, 18.562,  
296.851

49, 28.257,  
297.936

59, 9.237, 295.911

43, 38.328,  
299.180

65, 0.270, 295.153

38, 48.735,  
300.576

70, 8.363, 114.404

33, 59.345,  
302.092

75, 16.685,  
113.808

28, 69.828,  
303.641

81, 24.716,  
113.295

24, 79.503,  
305.061

86, 32.476,  
112.853


21, 87.252,  
306.111

91, 39.983,  
112.472

18, 92.612,

96, 47.253,  
112.143

306.799

 98, 48.537,  
107.095

# Harmonies

# Complementary

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



54, 18.562, 296.851



64, 17.749, 113.529

# Rectangle

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



54, 18.562, 296.851



54, 18.562, 346.851



54, 18.562, 116.851



54, 18.562, 166.851

# Sweetspot

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



54, 18.561, 296.850



78, 6.593, 295.558



62, 10.383, 210.253



41, 4.368, 295.607



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



54, 18.561, 296.850



66, 27.310, 297.283



55, 19.870, 313.884



31, 5.077, 295.820



16, 86.130, 306.842



0, 6.534, 294.826



# Inverse Universe

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



56, 20.148, 329.203



70, 29.415, 329.452



63, 19.478, 132.166



31, 5.602, 328.542



32, 68.188, 333.787



1, 7.163, 328.815



# Previews

## White Background



This preview shows how the CIELCh color 54, 18.562, 296.851 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 CIELCh color 54, 18.562, 296.851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

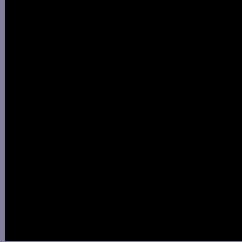
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 54, 18.562, 296.851**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 18.562, 296.851.



This preview shows how white text looks on a background with the CIELCh color 54, 18.562, 296.851.

# 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, 18.562, 296.851

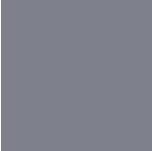
### Protanopia

54, 17.947, 285.540

### Deuteranopia

54, 17.922, 293.492





**Tritanopia**  
54, 5.859, 279.618

# Trichromacy



**Original Color**  
54, 18.562, 296.851

**Protanomaly**  
54, 17.890, 290.050

**Deuteranomaly**  
54, 17.937, 294.641

**Tritanomaly**  
54, 10.385, 289.384

# Monochromacy



**Original Color**  
54, 18.562, 296.851

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 6.979, 297.330

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 18.562, 296.851 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(130, 126, 158)` looks like.

```
.text, #text, p{  
    color:rgb(130, 126, 158)  
}
```

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(130, 126, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 126, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 18.562, 296.851 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(130, 126, 158) }
```

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

```
.border{ border-color:rgb(130, 126, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 126, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 126, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 126, 158); box-shadow:4px 4px 4px 4px rgb(130, 126, 158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 18.562, 296.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 126, 158) }
```

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

```
.background{ background-color: rgb(130,  
126, 158) }
```

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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