

# Converting Colors

CIELCh(58, 3.408, 286.267)

Have a look what the booklet for  
CIELCh(58, 3.408, 286.267) contains.

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# Color

**CIELCh(58, 3.431, 284.176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A8B91
RGB	138, 139, 145
RGB Percent	54%, 55%, 57%
CMY	0.4584, 0.4544, 0.4309
CMYK	0.05, 0.04, 0.00, 0.43
HSL	231°, 3%, 56%
HSV	231°, 5%, 57%
XYZ	24.8707, 25.9610, 30.5362
YIQ	139.3850, -2.5220, 1.6540

# Conversions

## Conversions Part 2

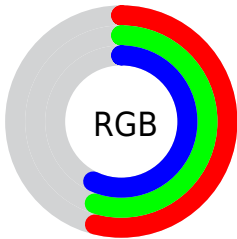
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	138, 139, 145
Decimal	9079697
CIE Lab	58.00, 0.84, -3.33
CIE LCh	58, 3.431, 284.176
Yxy	25.9610, 0.3057, 0.3191
Android (android.graphics.Color)	4287269777 (0xFF8A8B91)
YUV	139.3850, 2.7682, -1.2146
Hunter-Lab	50.9519, -2.0364, 0.1330

# Details

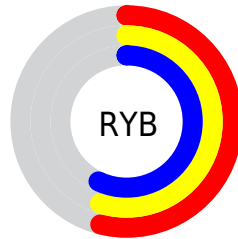
The CIELCh color  $58, 3.431, 284.176$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $60, 3.393, 103.083$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $78, 3.768, 285.024$ , and  $38, 3.711, 284.417$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 10.694, 285.338$ , and if you desaturate by 10%, it is  $63, 3.608, 103.071$ .

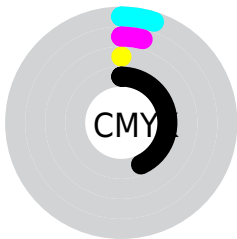
# Distribution



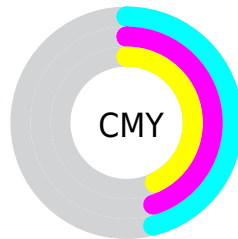
- Red (54%)
- Green (55%)
- Blue (57%)



- Red (54%)
- Yellow (55%)
- Blue (57%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (43%)



- Cyan (46%)
- Magenta (45%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 3.431, 284.176 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 58, 3.431, 284.176 by changing the saturation by 10% instead.



■ 58, 3.431, 284.176

■ 58, 3.431, 284.176

■ 100, 3.431,  
284.176

■ 48, 3.431, 284.176

■ 78, 3.431, 284.176

■ 38, 3.431, 284.176

■ 88, 3.431, 284.176

■ 28, 3.431, 284.176

■ 98, 3.431, 284.176

■ 18, 3.431, 284.176

■ 8, 3.431, 284.176

■ 0, 3.431, 284.176

■ 58, 3.431, 284.176

■ 58, 3.431, 284.176

■ 53, 10.694,  
285.338

■ 63, 3.608, 103.071

■ 67, 10.435,

49, 18.203,  
286.732

102.199

44, 25.977,  
288.360

72, 17.063,  
101.429

40, 34.039,  
290.251

76, 23.502,  
100.756

35, 42.403,  
292.423

81, 29.763,  
100.165

31, 51.051,  
294.860

85, 35.855, 99.643

26, 59.874,  
297.493

89, 41.785, 99.179

23, 68.564,  
300.165

94, 47.562, 98.766

20, 76.497,  
302.626

97, 52.683,  
104.370

# Harmonies

# Complementary

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



58, 3.431, 284.176



60, 3.393, 103.083

# Rectangle

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



58, 3.431, 284.176



58, 3.431, 334.176



58, 3.431, 104.176



58, 3.431, 154.176

# Sweetspot

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



58, 3.430, 284.159



76, 0.883, 283.857



60, 2.764, 186.893



40, 0.501, 283.860



88, 0.010, 296.813



40, 0.006, 296.813



# Same Dimension

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



58, 3.430, 284.159



73, 5.294, 284.298



58, 4.110, 303.902



29, 2.779, 284.330



17, 75.652, 303.494



0, 2.657, 283.615





# Inverse Universe

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



58, 2.821, 7.934



73, 4.363, 8.079



60, 4.064, 123.436



29, 2.291, 8.110



27, 59.348, 31.969



0, 2.172, 7.674



# Previews

## White Background



This preview shows how the CIELCh color 58, 3.431, 284.176 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 58, 3.431, 284.176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

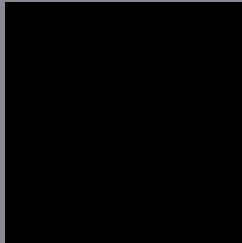
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

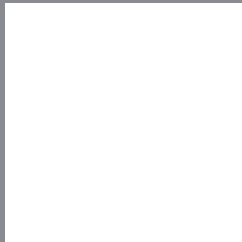
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 58, 3.431, 284.176

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 3.431, 284.176.



This preview shows how white text looks on a background with the CIELCh color 58, 3.431, 284.176.

# 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


58, 3.431, 284.176

### Protanopia

58, 3.443, 296.998

### Deuteranopia

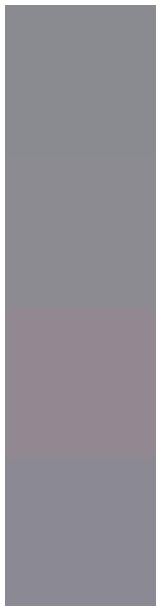
58, 8.587, 333.586



**Tritanopia**  
58, 6.282, 294.372



# Trichromacy



## Original Color

58, 3.431, 284.176

## Protanomaly

58, 3.416, 290.588

## Deuteranomaly

58, 6.919, 324.777

## Tritanomaly

58, 5.714, 294.664

# Monochromacy



## Original Color

58, 3.431, 284.176

## Achromatopsia

58, 0.007, 296.813

## Achromatomaly

58, 1.200, 271.532

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 3.431, 284.176 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(138, 139, 145)` looks like.

```
.text, #text, p{  
    color:rgb(138, 139, 145)  
}
```

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(138, 139, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 139, 145) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 3.431, 284.176 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(138, 139, 145) }
```

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

```
.border{ border-color:rgb(138, 139, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 139, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 139, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 139, 145);  
box-shadow:4px 4px 4px 4px rgb(138, 139,  
145) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 3.431, 284.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 139, 145) }
```

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

```
.background{ background-color: rgb(138,  
139, 145) }
```

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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