

# Converting Colors

CIELCh(58, 0.465, 16.171)

Have a look what the booklet for  
CIELCh(58, 0.465, 16.171) contains.

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# Color

**CIELCh(58, 0.392, 18.369)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C8B8B
RGB	140, 139, 139
RGB Percent	55%, 55%, 55%
CMY	0.4504, 0.4543, 0.4544
CMYK	0.00, 0.01, 0.01, 0.45
HSL	0°, 0%, 55%
HSV	0°, 1%, 55%
XYZ	24.7616, 25.9610, 28.1851
YIQ	139.2990, 0.5960, 0.2120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 139, 139
Decimal	9210763
CIE <sub>Lab</sub>	58.00, 0.37, 0.12
CIE <sub>LCh</sub>	58, 0.392, 18.369
Yxy	25.9610, 0.3138, 0.3290
Android (android.graphics.Color)	4287400843 (0xFF8C8B8B)
YUV	139.2990, -0.1474, 0.6148
Hunter-Lab	50.9519, -2.4186, 2.8689

# Details

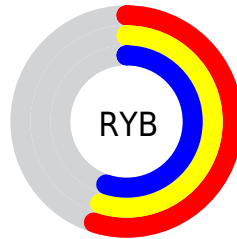
The CIELCh color  $[58, 0.392, 18.369]$  is a dark color, and the websafe version is hex `999999`. A complement of this color would be  $[58, 0.387, 200.670]$ , and the grayscale version is  $[58, 0.007, 296.813]$ .

A 20% lighter version of the original color is  $[78, 0.739, 18.739]$ , and  $[38, 0.424, 18.739]$  is the 20% darker color. If you saturate the color by 10%, you get  $[54, 6.085, 20.203]$ , and if you desaturate by 10%, it is  $[62, 4.886, 199.258]$ .

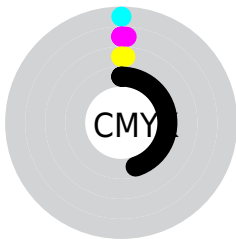
# Distribution



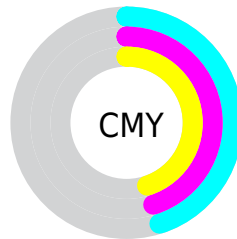
- Red (55%)
- Green (55%)
- Blue (55%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (45%)



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 0.392, 18.369 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, 0.392, 18.369 by changing the saturation by 10% instead.



 58, 0.392, 18.369

 58, 0.392, 18.369

100, 0.392, 18.369

 48, 0.392, 18.369

 78, 0.392, 18.369

 38, 0.392, 18.369

 88, 0.392, 18.369

 28, 0.392, 18.369

 98, 0.392, 18.369

 18, 0.392, 18.369

 8, 0.392, 18.369

 0, 0.392, 18.369

 58, 0.392, 18.369

 58, 0.392, 18.369

 54, 6.085, 20.203

 62, 4.886, 199.258

 50, 12.223, 21.028

 67, 9.781, 198.828

46, 18.809, 22.060

71, 14.335,  
198.504

42, 25.811, 23.391

75, 18.587,  
198.245

38, 33.146, 25.115

35, 40.664, 27.333

80, 22.572,  
198.035

33, 48.149, 30.114

84, 26.325,  
197.862

31, 55.299, 33.402

29, 61.582, 36.802

88, 29.875,  
197.719

92, 33.245,  
197.599

94, 34.211,  
197.316

# Harmonies

# Complementary

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



58, 0.392, 18.369



58, 0.387, 200.670

# Rectangle

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



58, 0.392, 18.369



58, 0.392, 68.369



58, 0.392, 198.369



58, 0.392, 248.369

# Sweetspot

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



58, 0.391, 18.571



74, 0.009, 296.813



58, 0.700, 324.197



39, 0.006, 296.813



88, 0.010, 296.813

# Same Dimension

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



58, 0.391, 18.571



73, 0.676, 18.915



58, 0.337, 74.497



29, 0.305, 18.820



27, 63.094, 38.705



0, 1.411, 19.612





# Inverse Universe

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



58, 0.387, 200.670



74, 0.669, 200.324



58, 0.347, 256.315



29, 0.302, 200.419



50, 30.732, 196.757



1, 1.410, 199.629



# Previews

## White Background



This preview shows how the CIELCh color 58, 0.392, 18.369 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, 0.392, 18.369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

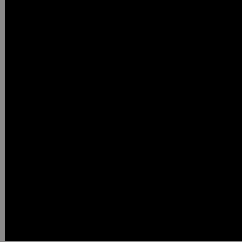
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

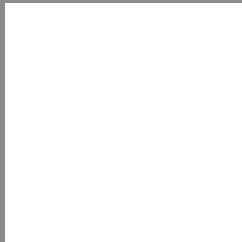
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 58, 0.392, 18.369**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 58, 0.392, 18.369.



This preview shows how white text looks on a background with the CIELCh color 58, 0.392, 18.369.

# 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, 0.392, 18.369

### Protanopia

58, 1.177, 19.165

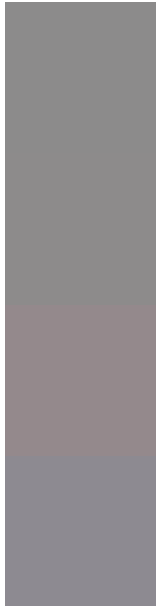
### Deuteranopia

58, 7.316, 357.366



**Tritanopia**  
58, 6.465, 304.540

# Trichromacy



## Original Color

58, 0.392, 18.369

## Protanomaly

58, 0.784, 18.946

## Deuteranomaly

58, 4.672, 358.476

## Tritanomaly

58, 4.167, 306.739

# Monochromacy



## Original Color

58, 0.392, 18.369

## Achromatopsia

58, 0.007, 296.813

## Achromatomaly

58, 0.007, 296.813



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 0.392, 18.369 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(140, 139, 139)` looks like.

```
.text, #text, p{  
    color:rgb(140, 139, 139)  
}
```

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(140, 139, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 139, 139) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 0.392, 18.369 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(140, 139, 139) }
```

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

```
.border{ border-color:rgb(140, 139, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 139, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 139, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 139, 139);  
box-shadow:4px 4px 4px 4px rgb(140, 139,  
139) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 0.392, 18.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 139, 139) }
```

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

```
.background{ background-color: rgb(140,  
139, 139) }
```

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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