

# Converting Colors

CIELCh(59, 8.804, 20.272)

Have a look what the booklet for  
CIELCh(59, 8.804, 20.272) contains.

<b>CIELCh(59, 8.845, 20.262)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(59, 8.845, 20.262)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F8989
RGB	159, 137, 137
RGB Percent	62%, 54%, 54%
CMY	0.3769, 0.4631, 0.4631
CMYK	0.00, 0.14, 0.14, 0.38
HSL	0°, 10%, 58%
HSV	0°, 14%, 62%
XYZ	27.7184, 27.0277, 27.3864
YIQ	143.5780, 13.1120, 4.6640

# Conversions

## Conversions Part 2

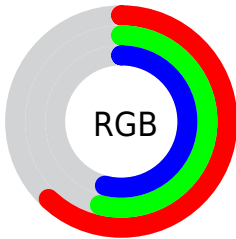
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 137, 137
Decimal	10455433
CIE Lab	59.00, 8.30, 3.06
CIE LCh	59, 8.845, 20.262
Yxy	27.0277, 0.3375, 0.3291
Android (android.graphics.Color)	4288645513 (0xFF9F8989)
YUV	143.5780, -3.2430, 13.5251
Hunter-Lab	51.9882, 4.1909, 5.1589

# Details

The CIELCh color  $59, 8.845, 20.262$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 8.109, 198.746$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 9.047, 20.072$ , and  $39, 8.776, 20.612$  is the 20% darker color. If you saturate the color by 10%, you get  $54, 15.827, 21.173$ , and if you desaturate by 10%, it is  $64, 2.362, 19.446$ .

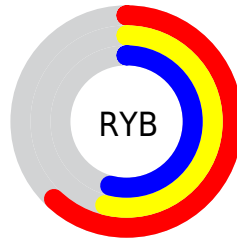
# Distribution



Red (62%)

Green (54%)

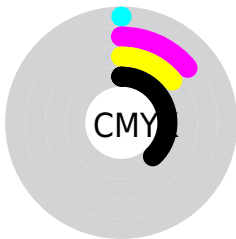
Blue (54%)



Red (62%)

Yellow (54%)

Blue (54%)

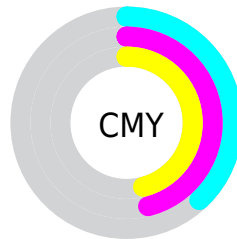


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (38%)



Cyan (38%)

Magenta (46%)


Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 8.845, 20.262 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 59, 8.845, 20.262 by changing the saturation by 10% instead.



 59, 8.845, 20.262       59, 8.845, 20.262

 100, 8.845, 20.262       49, 8.845, 20.262

 79, 8.845, 20.262       39, 8.845, 20.262

 89, 8.845, 20.262       29, 8.845, 20.262


 99, 8.845, 20.262       19, 8.845, 20.262

 9, 8.845, 20.262

 0, 8.845, 20.262

 59, 8.845, 20.262       59, 8.845, 20.262

 54, 15.827, 21.173       64, 2.362, 19.446

 50, 23.304, 22.320       68, 3.640, 199.235

46, 31.221, 23.808

73, 9.201, 198.734

42, 39.454, 25.738

78, 14.365,  
198.375

39, 47.805, 28.211

83, 19.178,  
198.092

36, 55.996, 31.266

34, 63.618, 34.742

88, 23.681,  
197.862

33, 69.853, 38.005

92, 27.914,  
197.674

33, 73.092, 39.685

94, 29.672,  
197.590

# Harmonies

# Complementary

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



59, 8.845, 20.262



64, 8.109, 198.746

# Rectangle

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



59, 8.845, 20.262



59, 8.845, 70.262



59, 8.845, 200.262



59, 8.845, 250.262

# Sweetspot

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



59, 8.844, 20.272



81, 3.047, 19.472



60, 15.040, 325.170



43, 2.189, 19.544



92, 0.011, 296.813



44, 0.006, 296.813



# Same Dimension

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



59, 8.844, 20.272



73, 13.629, 20.564



62, 7.571, 73.724



31, 3.534, 19.910



29, 67.090, 39.163



1, 4.472, 19.415





# Inverse Universe

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



64, 8.109, 198.746



81, 12.208, 198.563



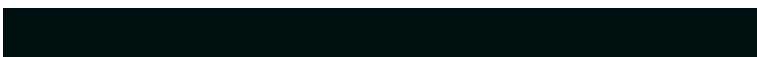
61, 7.318, 257.287



33, 3.338, 199.008



54, 32.538, 196.406

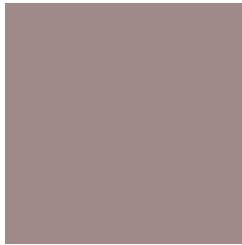


3, 4.472, 199.435



# Previews

## White Background



This preview shows how the CIELCh color 59, 8.845, 20.262 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 59, 8.845, 20.262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

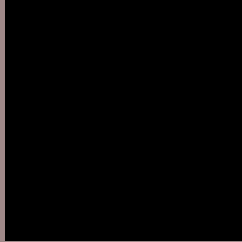
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 8.845, 20.262

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 8.845, 20.262.



This preview shows how white text looks on a background with the CIELCh color 59, 8.845, 20.262.

# 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

59, 8.845, 20.262

### Protanopia

59, 1.927, 55.180

### Deuteranopia

59, 8.435, 20.217



**Tritanopia**  
59, 11.636, 348.380



# Trichromacy



**Original Color**  
59, 8.845, 20.262

**Protanomaly**  
59, 4.123, 35.548

**Deuteranomaly**  
59, 8.435, 20.217

**Tritanomaly**  
59, 10.298, 357.954

# Monochromacy



**Original Color**  
59, 8.845, 20.262

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 3.150, 19.583

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 8.845, 20.262 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(159, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(159, 137, 137)  
}
```

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(159, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 137, 137) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 8.845, 20.262 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(159, 137, 137) }
```

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

```
.border{ border-color:rgb(159, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(159, 137,  
137) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 8.845, 20.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 137, 137) }
```

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

```
.background{ background-color: rgb(159,  
137, 137) }
```

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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