

# Converting Colors

CIELCh(58, 9.650, 55.019)

Have a look what the booklet for  
CIELCh(58, 9.650, 55.019) contains.

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# Color

**CIELCh(58, 9.686, 55.591)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B887E
RGB	155, 136, 126
RGB Percent	61%, 53%, 49%
CMY	0.3934, 0.4678, 0.5070
CMYK	0.00, 0.12, 0.19, 0.39
HSL	21°, 13%, 55%
HSV	21°, 19%, 61%
XYZ	25.9674, 25.9610, 23.2814
YIQ	140.5410, 14.5340, 0.9180

# Conversions

## Conversions Part 2

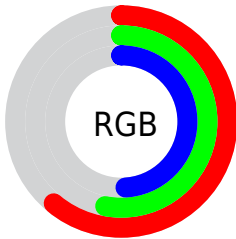
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">155, 141, 126</a>
Decimal	<a href="#">10193022</a>
CIELab	<a href="#">58.00, 5.47, 7.99</a>
CIELCh	<a href="#">58, 9.686, 55.591</a>
Yxy	<a href="#">25.9610, 0.3453, 0.3452</a>
Android (android.graphics.Color)	<a href="#">4288383102 (0xFF9B887E)</a>
YUV	<a href="#">140.5410, -7.1687, 12.6805</a>
Hunter-Lab	<a href="#">50.9519, 1.8056, 8.5750</a>

# Details

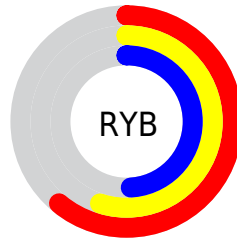
The CIELCh color  $58, 9.686, 55.591$  is a dark color, and the websafe version is hex `999999`. A complement of this color would be  $59, 8.820, 239.072$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $78, 9.674, 53.228$ , and  $38, 9.914, 53.825$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 15.389, 54.880$ , and if you desaturate by 10%, it is  $61, 4.363, 56.339$ .

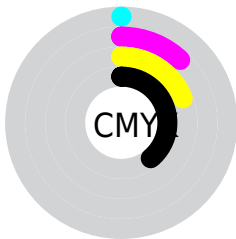
# Distribution



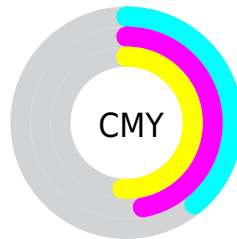
- Red (61%)
- Green (53%)
- Blue (49%)



- Red (61%)
- Yellow (55%)
- Blue (49%)



- Cyan (0%)
- Magenta (12%)
- Yellow (19%)
- Black (39%)



- Cyan (39%)
- Magenta (47%)
- Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 9.686, 55.591 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, 9.686, 55.591 by changing the saturation by 10% instead.




 58, 9.686, 55.591       58, 9.686, 55.591

 100, 9.686, 55.591       48, 9.686, 55.591

 78, 9.686, 55.591       38, 9.686, 55.591

 88, 9.686, 55.591       28, 9.686, 55.591

 98, 9.686, 55.591       18, 9.686, 55.591

 8, 9.686, 55.591

 0, 9.686, 55.591

 58, 9.686, 55.591       58, 9.686, 55.591

 55, 15.389, 54.880       61, 4.363, 56.339

 52, 21.499, 54.212       64, 0.615, 237.892

49, 28.029, 53.618

67, 5.283, 238.155

46, 34.954, 53.101

71, 9.677, 238.960

44, 42.187, 52.637

74, 13.830,  
239.783

41, 49.496, 52.137

77, 17.770,  
240.600

39, 56.378, 51.376

37, 62.384, 50.310

80, 21.525,  
241.403

37, 63.206, 50.274

84, 25.118,  
242.186

87, 25.884,  
233.170

# Harmonies

# Complementary

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



58, 9.686, 55.591



59, 8.820, 239.072

# Rectangle

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



58, 9.686, 55.591



58, 9.686, 105.591



58, 9.686, 235.591



58, 9.686, 285.591

# Sweetspot

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



58, 9.686, 55.603



79, 3.681, 56.510



56, 15.826, 336.977



42, 2.466, 56.474



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



58, 9.686, 55.603



73, 14.287, 55.331



62, 13.615, 100.284



31, 2.801, 56.305



33, 58.622, 50.562



2, 2.946, 56.416





# Inverse Universe

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



59, 8.820, 239.072



74, 12.744, 239.534



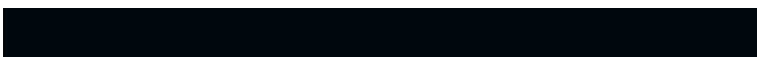
55, 13.956, 284.633



31, 2.684, 238.064



37, 33.453, 262.760



2, 2.952, 238.511



# Previews

## White Background



This preview shows how the CIELCh color 58, 9.686, 55.591 looks on a white background.

## Color Contrast Check

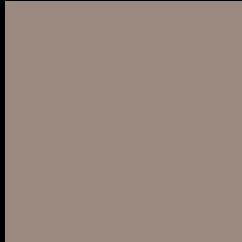
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.686, 55.591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

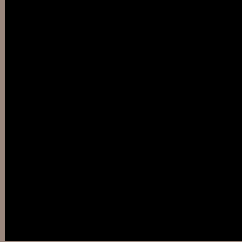
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 9.686, 55.591

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 9.686, 55.591.



This preview shows how white text looks on a background with the CIELCh color 58, 9.686, 55.591.

# 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, 9.686, 55.591

### Protanopia

58, 7.208, 89.597

### Deuteranopia

58, 10.937, 44.614



**Tritanopia**  
58, 11.048, 349.754



# Trichromacy



**Original Color**  
58, 9.686, 55.591

**Protanomaly**  
58, 7.677, 73.624

**Deuteranomaly**  
58, 10.447, 49.201

**Tritanomaly**  
58, 8.976, 9.439

# Monochromacy



**Original Color**  
58, 9.686, 55.591

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 3.252, 50.997

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 9.686, 55.591 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(155, 136, 126)` looks like.

```
.text, #text, p{  
    color:rgb(155, 136, 126)  
}
```

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(155, 136, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 136, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 9.686, 55.591 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(155, 136, 126) }
```

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

```
.border{ border-color:rgb(155, 136, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 136, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 136, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 136, 126);  
box-shadow:4px 4px 4px 4px rgb(155, 136,  
126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 9.686, 55.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 136, 126) }
```

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

```
.background{ background-color: rgb(155,  
136, 126) }
```

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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