

# Converting Colors

CIELCh(63, 8.463, 146.894)

Have a look what the booklet for  
CIELCh(63, 8.463, 146.894) contains.

<b>CIELCh(63, 8.422, 146.123)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(63, 8.422, 146.123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8F9C90
RGB	143, 156, 144
RGB Percent	56%, 61%, 56%
CMY	0.4396, 0.3886, 0.4357
CMYK	0.08, 0.00, 0.08, 0.39
HSL	125°, 6%, 59%
HSV	125°, 8%, 61%
XYZ	28.2107, 31.5869, 30.9578
YIQ	150.7450, -3.8960, -6.4880

# Conversions

## Conversions Part 2

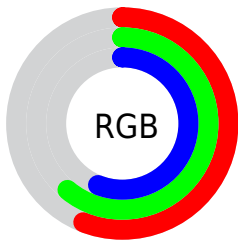
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 155, 156
Decimal	9411728
CIELab	63.00, -6.99, 4.69
CIElCh	63, 8.422, 146.123
Yxy	31.5869, 0.3108, 0.3480
Android (android.graphics.Color)	4287601808 (0xFF8F9C90)
YUV	150.7450, -3.3253, -6.7924
Hunter-Lab	56.2022, -8.7560, 6.6830

# Details

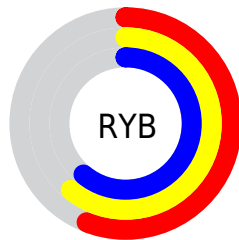
The CIELCh color  $63, 8.422, 146.123$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $61, 8.441, 327.020$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 7.957, 146.255$ , and  $43, 8.326, 146.134$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 18.621, 145.432$ , and if you desaturate by 10%, it is  $65, 1.673, 326.536$ .

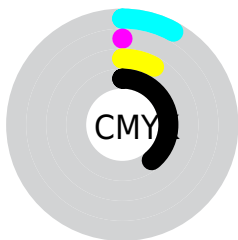
# Distribution



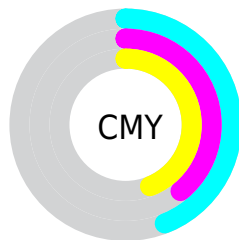
- Red (56%)
- Green (61%)
- Blue (56%)



- Red (56%)
- Yellow (61%)
- Blue (61%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (39%)



- Cyan (44%)
- Magenta (39%)
- Yellow (44%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 8.422, 146.123 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 63, 8.422, 146.123 by changing the saturation by 10% instead.



 63, 8.422, 146.123

 63, 8.422, 146.123

 100, 8.422,  
146.123

 53, 8.422, 146.123

 83, 8.422, 146.123

 43, 8.422, 146.123

 93, 8.422, 146.123

 33, 8.422, 146.123

 23, 8.422, 146.123

 13, 8.422, 146.123

 3, 8.422, 146.123

 0, 8.422, 146.123

 63, 8.422, 146.123

 63, 8.422, 146.123

 62, 18.621,

 65, 1.673, 326.536

145.432

66, 11.580,  
327.148

60, 28.796,  
144.638

68, 21.239,  
327.581

59, 38.785,  
143.721

70, 30.613,  
327.948

58, 48.382,  
142.675

72, 39.686,  
328.265

57, 57.340,  
141.507

74, 48.450,  
328.539

57, 65.376,  
140.251

77, 56.910,  
328.778

56, 72.178,  
138.976

77, 61.571,  
326.537

56, 77.436,  
137.789

56, 80.969,  
136.872



# Harmonies

# Complementary

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



63, 8.422, 146.123



61, 8.441, 327.020

# Rectangle

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



63, 8.422, 146.123



63, 8.422, 196.123



63, 8.422, 326.123



63, 8.422, 16.123

# Sweetspot

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



63, 8.424, 146.123



81, 3.714, 146.487



64, 7.227, 112.099



43, 2.841, 146.427



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



63, 8.424, 146.123



79, 12.463, 146.001



63, 5.909, 166.757



33, 5.781, 146.062



51, 76.207, 136.858



3, 7.555, 146.470



# Inverse Universe

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



61, 8.441, 327.020



76, 12.485, 327.128



61, 5.997, 348.066



31, 5.792, 327.074



33, 70.738, 331.478



1, 7.449, 327.077



# Previews

## White Background



This preview shows how the CIELCh color 63, 8.422, 146.123 looks on a white background.

## Color Contrast Check

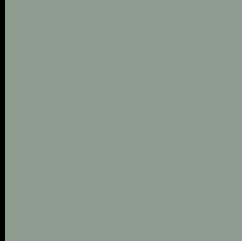
Large Text (above 18pt) WCAG AA × Fail

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 63, 8.422, 146.123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

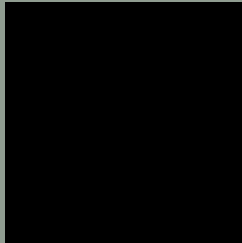
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

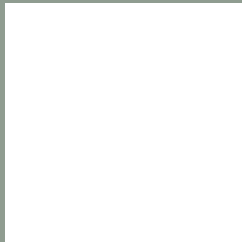
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 63, 8.422, 146.123

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 8.422, 146.123.



This preview shows how white text looks on a background with the CIELCh color 63, 8.422, 146.123.

# 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

63, 8.422, 146.123

### Protanopia

63, 5.901, 89.933

### Deuteranopia

63, 8.761, 23.826





**Tritanopia**  
63, 7.137, 269.769

# Trichromacy



**Original Color**  
63, 8.422, 146.123

**Protanomaly**  
63, 5.587, 113.591

**Deuteranomaly**  
63, 4.822, 54.890

**Tritanomaly**  
63, 3.744, 225.913

# Monochromacy



**Original Color**  
63, 8.422, 146.123

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 3.410, 144.326

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 8.422, 146.123 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(143, 156, 144)` looks like.

```
.text, #text, p{  
    color:rgb(143, 156, 144)  
}
```

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(143, 156, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 156, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 8.422, 146.123 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(143, 156, 144) }
```

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

```
.border{ border-color:rgb(143, 156, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 156, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 156, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 156, 144);  
box-shadow:4px 4px 4px 4px rgb(143, 156,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 8.422, 146.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 156, 144) }
```

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

```
.background{ background-color: rgb(143,  
156, 144) }
```

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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