

# Converting Colors

CIELCh(63, 20.246, 358.986)

Have a look what the booklet for  
CIELCh(63, 20.246, 358.986)  
contains.

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# **Color**

**CIELCh(63, 20.017, 358.744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB8C9A
RGB	187, 140, 154
RGB Percent	73%, 55%, 60%
CMY	0.2673, 0.4515, 0.3967
CMYK	0.00, 0.25, 0.18, 0.27
HSL	342°, 26%, 64%
HSV	342°, 25%, 73%
XYZ	35.6329, 31.5869, 34.7262
YIQ	155.6490, 23.5180, 14.3180

# Conversions

## Conversions Part 2

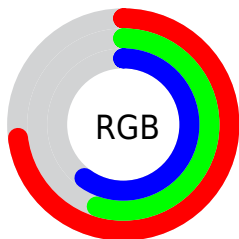
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 140, 154
Decimal	12291226
CIE Lab	63.00, 20.01, -0.44
CIE LCh	63, 20.017, 358.744
Yxy	31.5869, 0.3495, 0.3098
Android (android.graphics.Color)	4290481306 (0xFFBB8C9A)
YUV	155.6490, -0.8130, 27.4948
Hunter-Lab	56.2022, 14.8171, 2.7075

# Details

The CIELCh color  $63, 20.017, 358.744$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $72, 18.595, 173.708$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 19.961, 359.473$ , and  $43, 19.708, 359.279$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 28.356, 0.141$ , and if you desaturate by 10%, it is  $68, 11.842, 357.557$ .

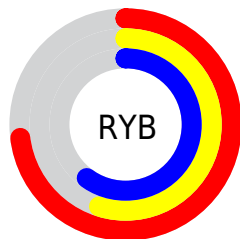
# Distribution



Red (73%)

Green (55%)

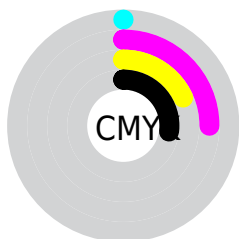
Blue (60%)



Red (73%)

Yellow (55%)

Blue (60%)

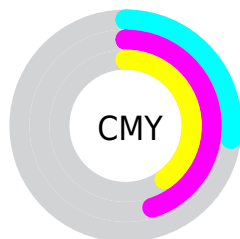


Cyan (0%)

Magenta (25%)

Yellow (18%)

Black (27%)



Cyan (27%)

Magenta (45%)


Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 20.017, 358.744 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, 20.017, 358.744 by changing the saturation by 10% instead.




 63, 20.017,  
358.744

 63, 20.017,  
358.744

 100, 20.017,  
358.744

 53, 20.017,  
358.744


 83, 20.017,  
358.744

 43, 20.017,  
358.744

 93, 20.017,  
358.744

 33, 20.017,  
358.744

 23, 20.017,  
358.744

 13, 20.017,  
358.744

 3, 20.017, 358.744

 0, 20.017, 358.744

63, 20.017,  
358.744

63, 20.017,  
358.744

58, 28.356, 0.141

68, 11.842,  
357.557

54, 36.684, 1.815

73, 3.945, 356.467

50, 44.730, 3.874

78, 3.627, 175.821

46, 52.144, 6.451

84, 10.855,  
174.950

43, 58.562, 9.711

41, 63.733, 13.814

89, 17.747,  
174.228

40, 67.689, 18.823

94, 24.320,  
173.583

39, 69.503, 21.356

95, 23.052,  
185.943

96, 22.023,  
198.061



# Harmonies

# Complementary

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



63, 20.017, 358.744



72, 18.595, 173.708

# Rectangle

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



63, 20.017, 358.744



63, 20.017, 48.744



63, 20.017, 178.744



63, 20.017, 228.744

# Sweetspot

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



63, 20.015, 358.747



90, 7.616, 356.798



63, 28.943, 316.795



48, 5.473, 356.960



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



63, 20.015, 358.747



77, 29.719, 359.461



65, 16.305, 39.175



37, 4.415, 356.929



33, 61.169, 20.558



3, 12.838, 2.770



# Inverse Universe

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



63, 20.015, 358.747



77, 29.719, 359.461



70, 13.778, 220.528



37, 4.415, 356.929



33, 61.169, 20.558



3, 12.838, 2.770



# Previews

## White Background



This preview shows how the CIELCh color 63, 20.017, 358.744 looks on a white background.

## Color Contrast Check

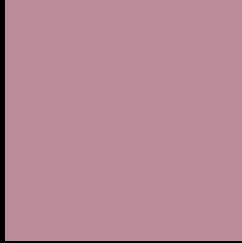
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 63, 20.017, 358.744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

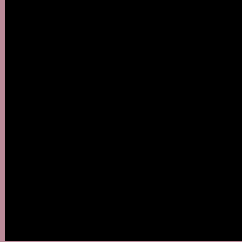
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 20.017, 358.744

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 20.017, 358.744.



This preview shows how white text looks on a background with the CIELCh color 63, 20.017, 358.744.

# 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, 20.017, 358.744

**Protanopia**  
63, 5.057, 294.993

**Deuteranopia**  
63, 7.762, 3.462





**Tritanopia**  
63, 19.567, 3.350

# Trichromacy



**Original Color**  
63, 20.017, 358.744

**Protanomaly**  
63, 8.630, 339.925

**Deuteranomaly**  
63, 12.210, 359.269

**Tritanomaly**  
63, 19.702, 1.790

# Monochromacy



**Original Color**  
63, 20.017, 358.744

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 7.177, 357.268

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 20.017, 358.744 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(187, 140, 154)` looks like.

```
.text, #text, p{  
    color:rgb(187, 140, 154)  
}
```

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(187, 140, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 140, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 20.017, 358.744 is called "border". The border property can be set on classes, ids or directly on the HTML element.

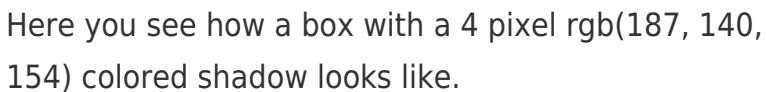
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 140, 154) }
```

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

```
.border{ border-color:rgb(187, 140, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 140, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 140, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 140, 154); box-shadow:4px 4px 4px 4px rgb(187, 140, 154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 20.017, 358.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 140, 154) }
```

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

```
.background{ background-color: rgb(187,  
140, 154) }
```

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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