

Converting Colors

CIELCh(63, 3.312, 105.443)

Have a look what the booklet for
CIELCh(63, 3.312, 105.443) contains.

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Color

CIELCh(63, 3.339, 109.797)

Conversions

Conversions Part 1

Format	Color
Hex	999993
RGB	153, 153, 147
RGB Percent	60%, 60%, 58%
CMY	0.4006, 0.4006, 0.4242
CMYK	0.00, 0.00, 0.04, 0.40
HSL	60°, 3%, 59%
HSV	60°, 4%, 60%
XYZ	29.7243, 31.5869, 32.0674
YIQ	152.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

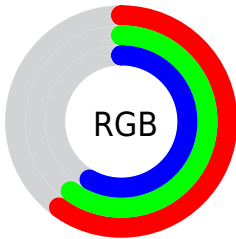
Format	Color
RYB	147, 153, 147
Decimal	10066323
CIELab	63.00, -1.13, 3.14
CIELCh	63, 3.339, 109.797
Yxy	31.5869, 0.3183, 0.3383
Android (android.graphics.Color)	4288256403 (0xFF999993)
YUV	152.3160, -2.6208, 0.5999
Hunter-Lab	56.2022, -3.9487, 5.5124

Details

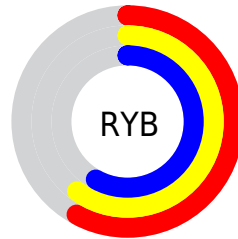
The CIELCh color $63, 3.339, 109.797$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 3.383, 290.589$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 3.155, 109.881$, and $43, 3.593, 109.640$ is the 20% darker color. If you saturate the color by 10%, you get $63, 11.844, 108.886$, and if you desaturate by 10%, it is $63, 5.191, 290.767$.

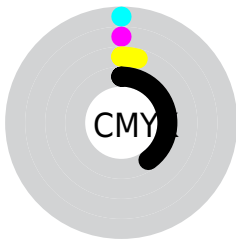
Distribution



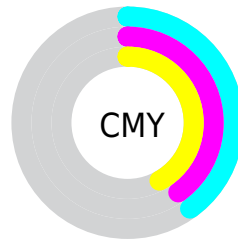
- Red (60%)
- Green (60%)
- Blue (58%)



- Red (58%)
- Yellow (60%)
- Blue (58%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (40%)



- Cyan (40%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 3.339, 109.797 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, 3.339, 109.797 by changing the saturation by 10% instead.

■ 63, 3.339, 109.797

■ 63, 3.339, 109.797

■ 100, 3.339,
109.797

■ 53, 3.339, 109.797

■ 83, 3.339, 109.797

■ 43, 3.339, 109.797

■ 93, 3.339, 109.797

■ 33, 3.339, 109.797

■ 23, 3.339, 109.797

■ 13, 3.339, 109.797

■ 3, 3.339, 109.797

■ 0, 3.339, 109.797

■ 63, 3.339, 109.797

■ 63, 3.339, 109.797

■ 63, 11.844,

■ 63, 5.191, 290.767

108.886

64, 13.720,
291.660

62, 20.273,
107.941

64, 22.227,
292.526

62, 28.561,
107.004

65, 30.696,
293.355

62, 36.601,
106.096

66, 39.115,
294.146

62, 44.232,
105.241

66, 47.476,
294.895

61, 51.212,
104.471

67, 55.770,
295.601

61, 57.214,
103.820

67, 56.403,
295.656

61, 61.850,
103.327

67, 56.403,
295.658

61, 64.802,
103.019

Harmonies

Complementary

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



63, 3.339, 109.797



61, 3.383, 290.589

Rectangle

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



63, 3.339, 109.797



63, 3.339, 159.797



63, 3.339, 289.797



63, 3.339, 339.797

Sweetspot

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



63, 3.340, 109.816



80, 1.048, 110.042



61, 2.339, 19.443



42, 0.594, 110.044



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



63, 3.340, 109.816



80, 5.274, 109.710



63, 3.553, 128.930



32, 2.889, 109.670



57, 62.112, 102.882



3, 5.228, 110.199

Inverse Universe

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



61, 3.383, 290.589



77, 5.349, 290.702



61, 3.585, 309.208



31, 2.931, 290.745



15, 85.762, 306.289



0, 5.229, 290.197

Previews

White Background



This preview shows how the CIELCh color 63, 3.339, 109.797 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, 3.339, 109.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

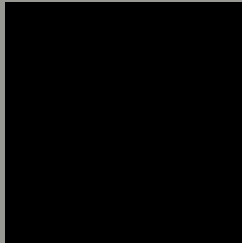
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

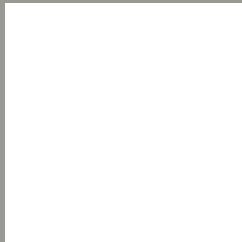
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 3.339, 109.797

Background



This preview shows how black text looks on a background with the CIELCh color 63, 3.339, 109.797.



This preview shows how white text looks on a background with the CIELCh color 63, 3.339, 109.797.

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, 3.339, 109.797

Protanopia

63, 3.861, 79.249

Deuteranopia

63, 8.717, 16.557



Tritanopia
63, 7.009, 306.449

Trichromacy



Original Color
63, 3.339, 109.797

Protanomaly
63, 3.532, 90.371

Deuteranomaly
63, 5.530, 25.617

Tritanomaly
63, 3.043, 312.571

Monochromacy



Original Color
63, 3.339, 109.797

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 1.109, 110.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 3.339, 109.797 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(153, 153, 147)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 147)  
}
```

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(153, 153, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 3.339, 109.797 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(153, 153, 147) }
```

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

```
.border{ border-color:rgb(153, 153, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 147);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 3.339, 109.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 147) }
```

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

```
.background{ background-color: rgb(153,  
153, 147) }
```

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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