

Converting Colors

CIELCh(63, 13.576, 118.944)

Have a look what the booklet for
CIELCh(63, 13.576, 118.944)
contains.

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Color

CIELCh(63, 13.561, 118.968)

Conversions

Conversions Part 1

Format	Color
Hex	959B83
RGB	149, 155, 131
RGB Percent	58%, 61%, 51%
CMY	0.4147, 0.3911, 0.4853
CMYK	0.04, 0.00, 0.15, 0.39
HSL	75°, 11%, 56%
HSV	75°, 15%, 61%
XYZ	28.3185, 31.5869, 26.1655
YIQ	150.4700, 4.1280, -8.7360

Conversions

Conversions Part 2

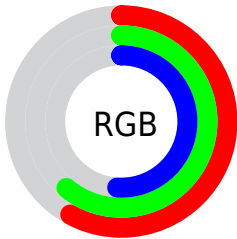
Format	Color
RYB	131, 155, 137
Decimal	9804675
CIELab	63.00, -6.57, 11.86
CIElCh	63, 13.561, 118.968
Yxy	31.5869, 0.3290, 0.3670
Android (android.graphics.Color)	4287994755 (0xFF959B83)
YUV	150.4700, -9.5987, -1.2892
Hunter-Lab	56.2022, -8.4135, 11.7385

Details

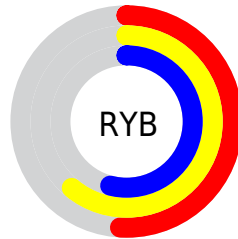
The CIELCh color **63, 13.561, 118.968** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **56, 13.985, 300.934**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 13.353, 118.776**, and **43, 13.385, 119.576** is the 20% darker color. If you saturate the color by 10%, you get **62, 22.261, 118.349**, and if you desaturate by 10%, it is **64, 4.794, 119.590**.

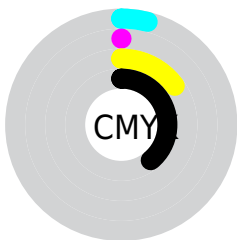
Distribution



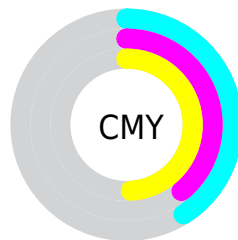
- Red (58%)
- Green (61%)
- Blue (51%)



- Red (51%)
- Yellow (61%)
- Blue (54%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (39%)





- Cyan (41%)
- Magenta (39%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 13.561, 118.968 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, 13.561, 118.968 by changing the saturation by 10% instead.

 63, 13.561,
118.968


 63, 13.561,
118.968


 100, 13.561,
118.968


 53, 13.561,
118.968


 83, 13.561,
118.968

 43, 13.561,
118.968

 93, 13.561,
118.968

 33, 13.561,
118.968

 23, 13.561,
118.968

 13, 13.561,
118.968

 3, 13.561, 118.968

 0, 13.561, 118.968

■ 63, 13.561,
118.968

■ 63, 13.561,
118.968

■ 62, 22.261,
118.349

■ 64, 4.794, 119.590

■ 62, 30.813,
117.735

■ 64, 3.993, 300.173

■ 61, 39.106,
117.159

■ 65, 12.760,
300.743

■ 61, 46.971,
116.663

■ 66, 21.481,
301.279

■ 60, 54.163,
116.304

■ 67, 30.137,
301.781

■ 60, 60.349,
116.165

■ 68, 38.711,
302.248

■ 60, 65.145,
116.342

■ 69, 47.194,
302.682

■ 59, 68.287,

■ 70, 55.335,
303.108

116.908

70, 55.471,
304.337

59, 69.482,
117.206

Harmonies

Complementary

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



63, 13.561, 118.968



56, 13.985, 300.934

Rectangle

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



63, 13.561, 118.968



63, 13.561, 168.968



63, 13.561, 298.968



63, 13.561, 348.968

Sweetspot

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



63, 13.563, 118.972



81, 5.423, 119.613



59, 8.078, 44.753



43, 3.730, 119.572



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, 13.563, 118.972



80, 20.583, 118.729



62, 15.225, 136.611



32, 4.901, 119.359



54, 64.470, 117.093



3, 5.325, 120.390

Inverse Universe

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



56, 13.985, 300.934



69, 21.394, 301.228



57, 15.371, 317.934



30, 4.995, 300.493



17, 83.686, 307.918



0, 5.315, 299.751

Previews

White Background



This preview shows how the CIELCh color 63, 13.561, 118.968 looks on a white background.

Color Contrast Check

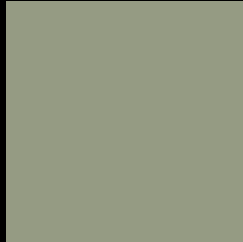
Large Text (above 18pt) WCAG AA × Fail

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, 13.561, 118.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

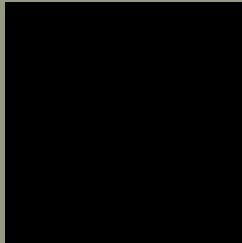
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

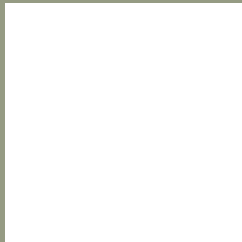
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 13.561, 118.968

Background



This preview shows how black text looks on a background with the CIELCh color 63, 13.561, 118.968.



This preview shows how white text looks on a background with the CIELCh color 63, 13.561, 118.968.

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, 13.561, 118.968

Protanopia

63, 12.668, 93.860

Deuteranopia

63, 13.649, 54.834



Tritanopia
63, 6.830, 300.368

Trichromacy



Original Color
63, 13.561, 118.968

Protanomaly
63, 12.841, 103.308

Deuteranomaly
63, 11.778, 77.655

Tritanomaly
63, 1.178, 129.096

Monochromacy



Original Color
63, 13.561, 118.968

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 5.162, 122.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 13.561, 118.968 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(149, 155, 131)` looks like.

```
.text, #text, p{  
    color:rgb(149, 155, 131)  
}
```

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(149, 155, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 155, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 13.561, 118.968 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(149, 155, 131) }
```

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

```
.border{ border-color:rgb(149, 155, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 155, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 155, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 155, 131);  
box-shadow:4px 4px 4px 4px rgb(149, 155,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 13.561, 118.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 155, 131) }
```

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

```
.background{ background-color: rgb(149,  
155, 131) }
```

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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