

Converting Colors

CIELCh(63, 3.731, 161.785)

Have a look what the booklet for
CIELCh(63, 3.731, 161.785) contains.

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Color

CIELCh(63, 3.513, 159.743)

Conversions

Conversions Part 1

Format	Color
Hex	939A96
RGB	147, 154, 150
RGB Percent	58%, 60%, 59%
CMY	0.4229, 0.3955, 0.4112
CMYK	0.05, 0.00, 0.03, 0.40
HSL	146°, 3%, 59%
HSV	146°, 5%, 60%
XYZ	29.1591, 31.5869, 33.4796
YIQ	151.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

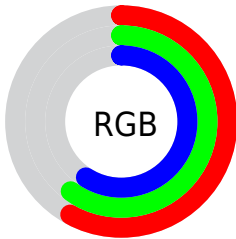
Format	Color
RYB	147, 152, 154
Decimal	9673366
CIELab	63.00, -3.30, 1.22
CIELCh	63, 3.513, 159.743
Yxy	31.5869, 0.3095, 0.3352
Android (android.graphics.Color)	4287863446 (0xFF939A96)
YUV	151.4510, -0.7153, -3.9035
Hunter-Lab	56.2022, -5.7437, 4.0226

Details

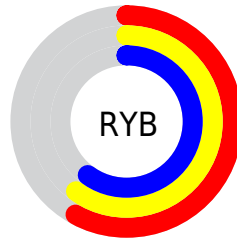
The CIELCh color $63, 3.513, 159.743$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 3.539, 340.237$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 3.319, 159.855$, and $43, 3.781, 159.562$ is the 20% darker color. If you saturate the color by 10%, you get $62, 11.290, 158.866$, and if you desaturate by 10%, it is $64, 4.211, 340.298$.

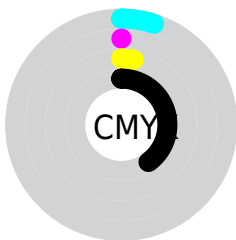
Distribution



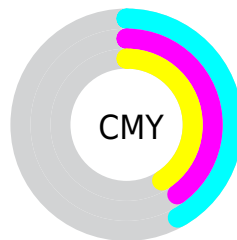
- Red (58%)
- Green (60%)
- Blue (59%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 3.513, 159.743 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, 3.513, 159.743 by changing the saturation by 10% instead.

■ 63, 3.513, 159.743

■ 63, 3.513, 159.743

■ 100, 3.513,
159.743

■ 53, 3.513, 159.743

■ 83, 3.513, 159.743

■ 43, 3.513, 159.743

■ 93, 3.513, 159.743

■ 33, 3.513, 159.743

■ 23, 3.513, 159.743

■ 13, 3.513, 159.743

■ 3, 3.513, 159.743

■ 0, 3.513, 159.743

■ 63, 3.513, 159.743

■ 63, 3.513, 159.743

■ 62, 11.290,

■ 64, 4.211, 340.298

158.866

66, 11.826,
341.003

60, 19.032,
157.948

68, 19.283,
341.613

59, 26.641,
156.919

70, 26.554,
342.168

58, 33.996,
155.755

72, 33.619,
342.679

58, 40.968,
154.432

74, 40.469,
343.153

57, 47.432,
152.929

76, 47.086,
343.572

56, 53.276,
151.230

76, 49.775,
339.155

56, 58.426,
149.333

76, 52.759,
335.271

56, 62.864,
147.261

Harmonies

Complementary

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



63, 3.513, 159.743



62, 3.539, 340.237

Rectangle

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



63, 3.513, 159.743



63, 3.513, 209.743



63, 3.513, 339.743



63, 3.513, 29.743

Sweetspot

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



63, 3.515, 159.736



81, 0.955, 160.312



63, 4.070, 125.914



43, 0.547, 160.342



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, 3.515, 159.736



80, 4.812, 159.683



63, 2.686, 192.345



32, 2.609, 159.644



51, 60.500, 146.368



3, 4.730, 159.644

Inverse Universe

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



62, 3.539, 340.237



78, 4.846, 340.289



62, 2.752, 12.692



31, 2.627, 340.328



30, 55.566, 354.557



1, 4.674, 340.452

Previews

White Background



This preview shows how the CIELCh color 63, 3.513, 159.743 looks on a white background.

Color Contrast Check

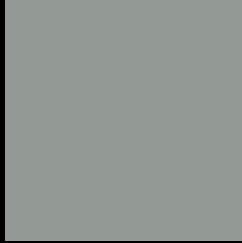
Large Text (above 18pt) WCAG AA × Fail

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, 3.513, 159.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

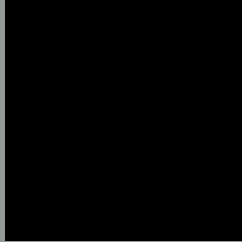
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

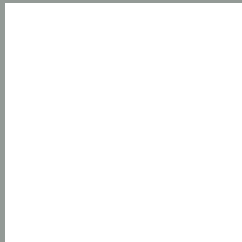
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 3.513, 159.743

Background



This preview shows how black text looks on a background with the CIELCh color 63, 3.513, 159.743.



This preview shows how white text looks on a background with the CIELCh color 63, 3.513, 159.743.

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

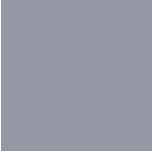
63, 3.513, 159.743

Protanopia

63, 2.270, 66.681

Deuteranopia

63, 8.309, 0.608



Tritanopia
63, 6.788, 281.491

Trichromacy



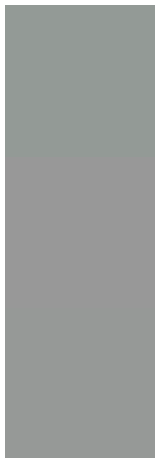
Original Color
63, 3.513, 159.743

Protanomaly
63, 2.224, 109.911

Deuteranomaly
63, 3.935, 11.532

Tritanomaly
63, 3.816, 261.131

Monochromacy



Original Color
63, 3.513, 159.743

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 1.610, 155.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 3.513, 159.743 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(147, 154, 150)` looks like.

```
.text, #text, p{  
    color:rgb(147, 154, 150)  
}
```

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(147, 154, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 154, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 3.513, 159.743 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(147, 154, 150) }
```

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

```
.border{ border-color:rgb(147, 154, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 154, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 154, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 154, 150);  
box-shadow:4px 4px 4px 4px rgb(147, 154,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 3.513, 159.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 154, 150) }
```

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

```
.background{ background-color: rgb(147,  
154, 150) }
```

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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