

Converting Colors

CIELCh(63, 15.866, 121.803)

Have a look what the booklet for
CIELCh(63, 15.866, 121.803)
contains.

CIELCh(63, 15.970, 121.630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 15.970, 121.630)

Conversions

Conversions Part 1

Format	Color
Hex	939C80
RGB	147, 156, 128
RGB Percent	58%, 61%, 50%
CMY	0.4231, 0.3878, 0.4976
CMYK	0.06, 0.00, 0.18, 0.39
HSL	79°, 12%, 56%
HSV	79°, 18%, 61%
XYZ	27.8612, 31.5869, 25.0865
YIQ	150.1170, 3.6240, -10.6160

Conversions

Conversions Part 2

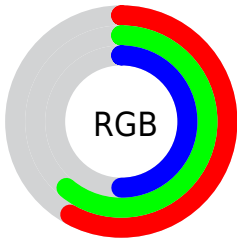
Format	Color
RYB	128, 156, 137
Decimal	9673856
CIELab	63.00, -8.38, 13.60
CIELCh	63, 15.970, 121.630
Yxy	31.5869, 0.3296, 0.3737
Android (android.graphics.Color)	4287863936 (0xFF939C80)
YUV	150.1170, -10.9037, -2.7336
Hunter-Lab	56.2022, -9.8659, 12.8769

Details

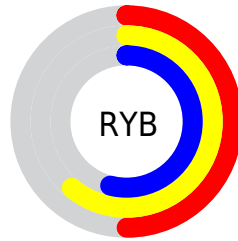
The CIELCh color $63, 15.970, 121.630$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $55, 16.504, 303.664$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 15.633, 121.416$, and $43, 15.974, 122.268$ is the 20% darker color. If you saturate the color by 10%, you get $62, 24.795, 121.073$, and if you desaturate by 10%, it is $64, 7.072, 122.189$.

Distribution



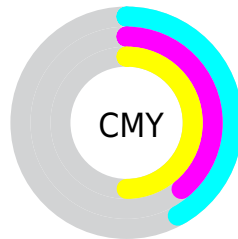
- Red (58%)
- Green (61%)
- Blue (50%)



- Red (50%)
- Yellow (61%)
- Blue (54%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (39%)





- Cyan (42%)
- Magenta (39%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 15.970, 121.630 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, 15.970, 121.630 by changing the saturation by 10% instead.


 63, 15.970,
121.630


 63, 15.970,
121.630


 100, 15.970,
121.630


 53, 15.970,
121.630


 83, 15.970,
121.630

 43, 15.970,
121.630

 93, 15.970,
121.630

 33, 15.970,
121.630

 23, 15.970,
121.630

 13, 15.970,
121.630

 3, 15.970, 121.630

 0, 15.970, 121.630

■ 63, 15.970,
121.630

■ 63, 15.970,
121.630

■ 62, 24.795,
121.073

■ 64, 7.072, 122.189

■ 62, 33.456,
120.527

■ 65, 1.845, 302.689

■ 61, 41.829,
120.027

■ 65, 10.737,
303.215

■ 61, 49.730,
119.621

■ 66, 19.574,
303.691

■ 60, 56.891,
119.378

■ 67, 28.335,
304.133

■ 60, 62.963,
119.395

■ 68, 37.003,
304.541

■ 59, 67.566,
119.778

■ 69, 45.567,
304.917

■ 59, 70.635,

■ 71, 54.017,
305.261

120.550

■ 71, 55.296,
306.716

■ 59, 71.226,
120.709

Harmonies

Complementary

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



63, 15.970, 121.630



55, 16.504, 303.664

Rectangle

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



63, 15.970, 121.630



63, 15.970, 171.630



63, 15.970, 301.630



63, 15.970, 351.630

Sweetspot

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



63, 15.972, 121.633



82, 5.535, 122.346



59, 9.336, 52.352



43, 3.768, 122.310



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, 15.972, 121.633



80, 24.330, 121.381



62, 18.120, 138.444



33, 5.090, 122.116



54, 66.681, 120.595



4, 6.717, 123.902

Inverse Universe

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



55, 16.504, 303.664



68, 25.360, 303.969



57, 18.262, 320.087



31, 5.180, 303.119



18, 83.800, 308.814



1, 6.665, 301.985

Previews

White Background



This preview shows how the CIELCh color 63, 15.970, 121.630 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, 15.970, 121.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

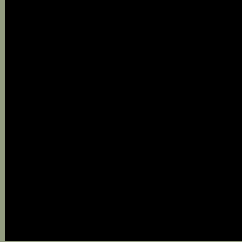
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

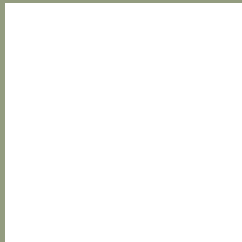
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 15.970, 121.630

Background



This preview shows how black text looks on a background with the CIELCh color 63, 15.970, 121.630.



This preview shows how white text looks on a background with the CIELCh color 63, 15.970, 121.630.

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, 15.970, 121.630

Protanopia

63, 14.928, 94.166

Deuteranopia

63, 15.080, 58.805



Tritanopia
63, 6.739, 294.088

Trichromacy



Original Color
63, 15.970, 121.630

Protanomaly
63, 14.496, 103.715

Deuteranomaly
63, 13.254, 81.093

Tritanomaly
63, 2.041, 144.439

Monochromacy



Original Color
63, 15.970, 121.630

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 5.714, 121.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 15.970, 121.630 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, 156, 128)` looks like.

```
.text, #text, p{  
    color:rgb(147, 156, 128)  
}
```

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, 156, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 156, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 15.970, 121.630 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, 156, 128) }
```

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

```
.border{ border-color:rgb(147, 156, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 156, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 156, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 156, 128);  
box-shadow:4px 4px 4px 4px rgb(147, 156,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 15.970, 121.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 156, 128) }
```

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

```
.background{ background-color: rgb(147,  
156, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor