

Converting Colors

CIELCh(63, 13.169, 130.074)

Have a look what the booklet for
CIELCh(63, 13.169, 130.074)
contains.

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Color

CIELCh(63, 13.165, 130.047)

Conversions

Conversions Part 1

Format	Color
Hex	909C86
RGB	144, 156, 134
RGB Percent	56%, 61%, 53%
CMY	0.4339, 0.3868, 0.4732
CMYK	0.08, 0.00, 0.14, 0.39
HSL	93°, 10%, 57%
HSV	93°, 14%, 61%
XYZ	27.8372, 31.5869, 27.3095
YIQ	149.9040, -0.0900, -9.3860

Conversions

Conversions Part 2

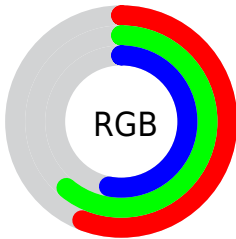
Format	Color
RYB	134, 156, 146
Decimal	9477254
CIELab	63.00, -8.47, 10.08
CIELCh	63, 13.165, 130.047
Yxy	31.5869, 0.3210, 0.3642
Android (android.graphics.Color)	4287667334 (0xFF909C86)
YUV	149.9040, -7.8407, -5.1778
Hunter-Lab	56.2022, -9.9421, 10.5317

Details

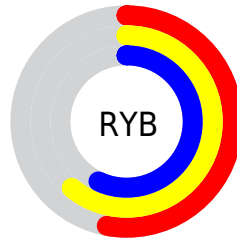
The CIELCh color $63, 13.165, 130.047$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $58, 13.393, 311.237$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 12.942, 129.356$, and $43, 13.428, 129.058$ is the 20% darker color. If you saturate the color by 10%, you get $62, 22.525, 129.585$, and if you desaturate by 10%, it is $64, 3.800, 130.504$.

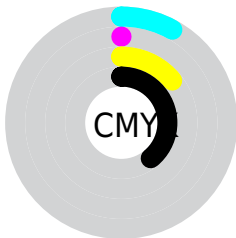
Distribution



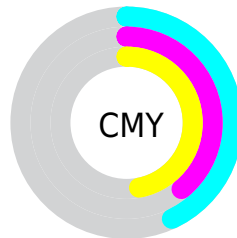
- Red (56%)
- Green (61%)
- Blue (53%)



- Red (53%)
- Yellow (61%)
- Blue (57%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (39%)





- Cyan (43%)
- Magenta (39%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 13.165, 130.047 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, 13.165, 130.047 by changing the saturation by 10% instead.


 63, 13.165,
130.047


 63, 13.165,
130.047


 100, 13.165,
130.047


 53, 13.165,
130.047


 83, 13.165,
130.047

 43, 13.165,
130.047

 93, 13.165,
130.047

 33, 13.165,
130.047

 23, 13.165,
130.047

 13, 13.165,
130.047

 3, 13.165, 130.047

 0, 13.165, 130.047

63, 13.165,
130.047

63, 13.165,
130.047

62, 22.525,
129.585

64, 3.800, 130.504

61, 31.793,
129.108

65, 5.515, 310.854

60, 40.851,
128.643

66, 14.736,
311.229

60, 49.529,
128.230

68, 23.832,
311.557

59, 57.590,
127.934

69, 32.784,
311.850

58, 64.710,
127.851

70, 41.576,
312.108

58, 70.503,
128.100

72, 50.202,
312.337

58, 74.640,

73, 56.471,
313.269

128.790

■ 74, 57.222,
316.026

■ 57, 76.631,
129.263

Harmonies

Complementary

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



63, 13.165, 130.047



58, 13.393, 311.237

Rectangle

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



63, 13.165, 130.047



63, 13.165, 180.047



63, 13.165, 310.047



63, 13.165, 0.047

Sweetspot

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



63, 13.167, 130.050



82, 4.629, 130.504



61, 7.773, 77.179



43, 3.284, 130.470



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, 13.167, 130.050



80, 19.753, 129.900



62, 14.742, 144.508



33, 5.330, 130.267



53, 71.620, 129.136



4, 7.016, 131.440

Inverse Universe

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



58, 13.393, 311.237



72, 20.168, 311.388



59, 14.761, 326.093



31, 5.394, 311.018



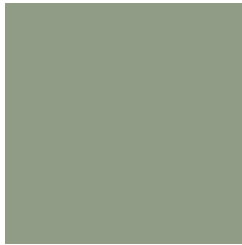
22, 80.084, 313.214



1, 6.934, 309.671

Previews

White Background



This preview shows how the CIELCh color 63, 13.165, 130.047 looks on a white background.

Color Contrast Check

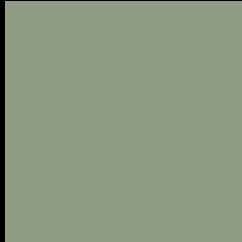
Large Text (above 18pt) WCAG AA × Fail

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, 13.165, 130.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

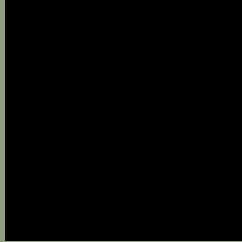
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

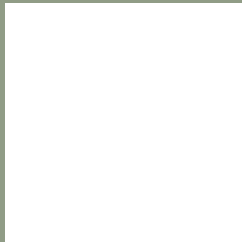
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 13.165, 130.047

Background



This preview shows how black text looks on a background with the CIELCh color 63, 13.165, 130.047.



This preview shows how white text looks on a background with the CIELCh color 63, 13.165, 130.047.

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](#).

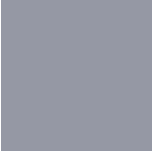
Dichromacy



Original Color
63, 13.165, 130.047

Protanopia
63, 11.593, 92.634

Deuteranopia
63, 12.311, 49.910



Tritanopia
63, 6.788, 281.491

Trichromacy



Original Color
63, 13.165, 130.047

Protanomaly
63, 11.669, 108.892

Deuteranomaly
63, 9.892, 77.033

Tritanomaly
63, 2.729, 187.493

Monochromacy



Original Color
63, 13.165, 130.047

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 4.746, 128.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 13.165, 130.047 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(144, 156, 134)` looks like.

```
.text, #text, p{  
    color:rgb(144, 156, 134)  
}
```

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(144, 156, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 156, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 13.165, 130.047 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(144, 156, 134) }
```

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

```
.border{ border-color:rgb(144, 156, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 156, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 156, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 156, 134);  
box-shadow:4px 4px 4px 4px rgb(144, 156,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 13.165, 130.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 156, 134) }
```

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

```
.background{ background-color: rgb(144,  
156, 134) }
```

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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