

Converting Colors

CIELCh(63, 13.936, 105.936)

Have a look what the booklet for
CIELCh(63, 13.936, 105.936)
contains.

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Color

CIELCh(63, 13.885, 106.966)

Conversions

Conversions Part 1

Format	Color
Hex	9B9A81
RGB	155, 154, 129
RGB Percent	61%, 60%, 51%
CMY	0.3928, 0.3967, 0.4948
CMYK	0.00, 0.01, 0.17, 0.39
HSL	58°, 11%, 56%
HSV	58°, 17%, 61%
XYZ	28.9634, 31.5869, 25.2815
YIQ	151.4490, 8.6210, -7.5630

Conversions

Conversions Part 2

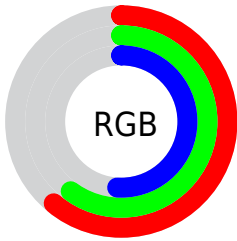
Format	Color
RYB	130, 155, 129
Decimal	10197633
CIELab	63.00, -4.05, 13.28
CIELCh	63, 13.885, 106.966
Yxy	31.5869, 0.3374, 0.3680
Android (android.graphics.Color)	4288387713 (0xFF9B9A81)
YUV	151.4490, -11.0674, 3.1142
Hunter-Lab	56.2022, -6.3652, 12.6711

Details

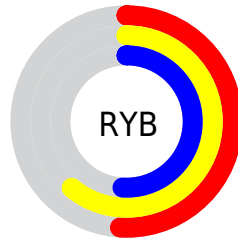
The CIELCh color $63, 13.885, 106.966$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 14.375, 290.452$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 13.682, 105.783$, and $43, 13.709, 106.292$ is the 20% darker color. If you saturate the color by 10%, you get $63, 22.085, 105.988$, and if you desaturate by 10%, it is $64, 5.619, 107.943$.

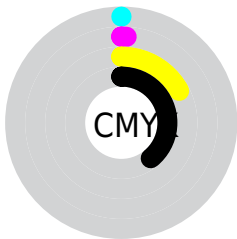
Distribution



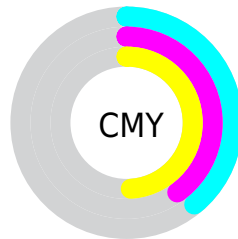
- Red (61%)
- Green (60%)
- Blue (51%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)
- Black (39%)





- Cyan (39%)
- Magenta (40%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 13.885, 106.966 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, 13.885, 106.966 by changing the saturation by 10% instead.


 63, 13.885,
106.966


 63, 13.885,
106.966


 100, 13.885,
106.966


 53, 13.885,
106.966


 83, 13.885,
106.966

 43, 13.885,
106.966

 93, 13.885,
106.966

 33, 13.885,
106.966

 23, 13.885,
106.966

 13, 13.885,
106.966

 3, 13.885, 106.966

 0, 13.885, 106.966

■ 63, 13.885,
106.966

■ 63, 13.885,
106.966

■ 63, 22.085,
105.988

■ 64, 5.619, 107.943

■ 64, 2.671, 288.939

■ 62, 30.143,
105.010

■ 65, 10.954,
289.853

■ 62, 37.946,
104.057

■ 65, 19.209,
290.751

■ 61, 45.318,
103.150

■ 66, 27.425,
291.612

■ 61, 51.996,
102.318

■ 67, 35.590,
292.433

■ 61, 57.617,
101.592

■ 68, 43.697,
293.213

■ 61, 61.768,
100.999

■ 69, 51.741,
293.950

■ 60, 64.248,

100.548

■ 69, 52.633,
293.858

■ 60, 64.934,
100.413

Harmonies

Complementary

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



63, 13.885, 106.966



55, 14.375, 290.452

Rectangle

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



63, 13.885, 106.966



63, 13.885, 156.966



63, 13.885, 286.966



63, 13.885, 336.966

Sweetspot

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



63, 13.886, 106.972



81, 5.127, 108.103



56, 10.605, 16.536



43, 3.526, 108.041



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, 13.886, 106.972



80, 20.481, 106.618



62, 15.231, 126.535



32, 4.634, 107.710



55, 60.423, 100.435



3, 5.003, 108.396

Inverse Universe

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



55, 14.375, 290.452



68, 21.369, 290.915



56, 15.614, 308.102



30, 4.726, 289.565



16, 83.794, 305.646



0, 5.032, 288.636

Previews

White Background



This preview shows how the CIELCh color 63, 13.885, 106.966 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, 13.885, 106.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

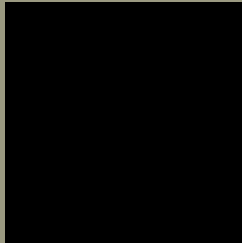
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 13.885, 106.966

Background



This preview shows how black text looks on a background with the CIELCh color 63, 13.885, 106.966.



This preview shows how white text looks on a background with the CIELCh color 63, 13.885, 106.966.

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, 13.885, 106.966

Protanopia

63, 13.853, 93.212

Deuteranopia

63, 15.080, 58.805



Tritanopia
63, 7.756, 320.105

Trichromacy



Original Color
63, 13.885, 106.966

Protanomaly
63, 14.103, 98.597

Deuteranomaly
63, 13.214, 72.657

Tritanomaly
63, 2.579, 45.030

Monochromacy



Original Color
63, 13.885, 106.966

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 5.017, 109.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 13.885, 106.966 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(155, 154, 129)` looks like.

```
.text, #text, p{  
    color:rgb(155, 154, 129)  
}
```

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(155, 154, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 154, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 13.885, 106.966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

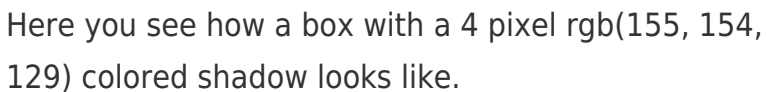
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 154, 129) }
```

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

```
.border{ border-color:rgb(155, 154, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 154, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 154, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 154, 129);  
box-shadow:4px 4px 4px 4px rgb(155, 154,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 13.885, 106.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 154, 129) }
```

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

```
.background{ background-color: rgb(155,  
154, 129) }
```

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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