

Converting Colors

CIELCh(63, 18.635, 118.589)

Have a look what the booklet for
CIELCh(63, 18.635, 118.589)
contains.

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Color

CIELCh(63, 18.577, 118.308)

Conversions

Conversions Part 1

Format	Color
Hex	949C7B
RGB	148, 156, 123
RGB Percent	58%, 61%, 48%
CMY	0.4189, 0.3875, 0.5169
CMYK	0.05, 0.00, 0.21, 0.39
HSL	75°, 14%, 55%
HSV	75°, 21%, 61%
XYZ	27.7521, 31.5869, 23.4315
YIQ	149.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

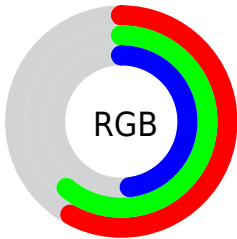
Format	Color
RYB	123, 156, 131
Decimal	9739387
CIELab	63.00, -8.81, 16.36
CIElCh	63, 18.577, 118.308
Yxy	31.5869, 0.3353, 0.3816
Android (android.graphics.Color)	4287929467 (0xFF949C7B)
YUV	149.8460, -13.2351, -1.6189
Hunter-Lab	56.2022, -10.2125, 14.6227

Details

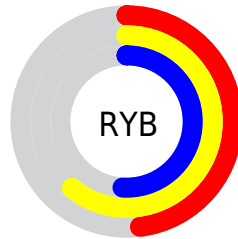
The CIELCh color **63, 18.577, 118.308** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **53, 19.389, 301.099**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 18.119, 118.314**, and **43, 18.724, 118.493** is the 20% darker color. If you saturate the color by 10%, you get **62, 27.237, 117.683**, and if you desaturate by 10%, it is **64, 9.809, 118.942**.

Distribution



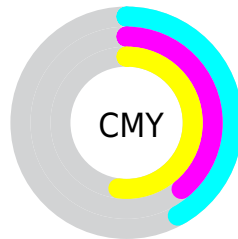
- Red (58%)
- Green (61%)
- Blue (48%)



- Red (48%)
- Yellow (61%)
- Blue (51%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (39%)




- Cyan (42%)
- Magenta (39%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 18.577, 118.308 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, 18.577, 118.308 by changing the saturation by 10% instead.

 63, 18.577,
118.308


 63, 18.577,
118.308


 100, 18.577,
118.308


 53, 18.577,
118.308


 83, 18.577,
118.308

 43, 18.577,
118.308

 93, 18.577,
118.308

 33, 18.577,
118.308

 23, 18.577,
118.308

 13, 18.577,
118.308

 3, 18.577, 118.308

 0, 18.577, 118.308

■ 63, 18.577,
118.308

■ 63, 18.577,
118.308

■ 62, 27.237,
117.683

■ 64, 9.809, 118.942

■ 62, 35.687,
117.079

■ 64, 0.993, 119.577

■ 65, 7.824, 300.143

■ 61, 43.788,
116.534

■ 66, 16.611,
300.706

■ 61, 51.328,
116.099

■ 67, 25.343,
301.235

■ 61, 58.009,
115.845

■ 68, 34.004,
301.730

■ 60, 63.457,
115.862

■ 69, 42.579,
302.191

■ 60, 67.309,
116.243

■ 70, 51.060,
302.618

■ 60, 69.648,

116.821

■ 70, 54.828,
303.473

Harmonies

Complementary

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



63, 18.577, 118.308



53, 19.389, 301.099

Rectangle

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



63, 18.577, 118.308



63, 18.577, 168.308



63, 18.577, 298.308



63, 18.577, 348.308

Sweetspot

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



63, 18.579, 118.311



82, 6.569, 119.254



57, 11.429, 42.752



43, 4.348, 119.218



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, 18.579, 118.311



80, 27.269, 118.036



62, 20.832, 135.818



33, 5.031, 119.059



55, 65.198, 116.724



4, 6.638, 120.941

Inverse Universe

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



53, 19.389, 301.099



66, 28.735, 301.458



55, 21.116, 317.659



31, 5.129, 300.215



17, 84.904, 307.821



1, 6.600, 299.144

Previews

White Background



This preview shows how the CIELCh color 63, 18.577, 118.308 looks on a white background.

Color Contrast Check

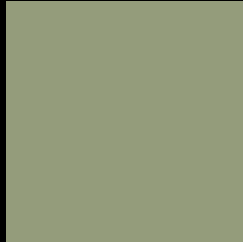
Large Text (above 18pt) WCAG AA × Fail

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, 18.577, 118.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

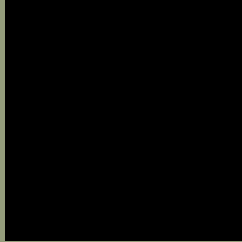
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 18.577, 118.308

Background



This preview shows how black text looks on a background with the CIELCh color 63, 18.577, 118.308.



This preview shows how white text looks on a background with the CIELCh color 63, 18.577, 118.308.

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, 18.577, 118.308

Protanopia
63, 17.726, 94.645

Deuteranopia
63, 17.327, 62.319



Tritanopia
63, 6.830, 300.368

Trichromacy



Original Color
63, 18.577, 118.308

Protanomaly
63, 17.778, 104.211

Deuteranomaly
63, 15.974, 83.897

Tritanomaly
63, 2.262, 119.764

Monochromacy



Original Color
63, 18.577, 118.308

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 6.809, 119.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 18.577, 118.308 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(148, 156, 123)` looks like.

```
.text, #text, p{  
    color:rgb(148, 156, 123)  
}
```

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(148, 156, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 156, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 18.577, 118.308 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(148, 156, 123) }
```

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

```
.border{ border-color:rgb(148, 156, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 156, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 156, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 156, 123);  
box-shadow:4px 4px 4px 4px rgb(148, 156,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 18.577, 118.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 156, 123) }
```

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

```
.background{ background-color: rgb(148,  
156, 123) }
```

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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