

Converting Colors

CIELCh(63, 12.995, 147.791)

Have a look what the booklet for
CIELCh(63, 12.995, 147.791)
contains.

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Color

CIELCh(63, 12.995, 147.791)

Conversions

Conversions Part 1

Format	Color
Hex	899E8C
RGB	137, 158, 140
RGB Percent	54%, 62%, 55%
CMY	0.4634, 0.3811, 0.4516
CMYK	0.13, 0.00, 0.11, 0.38
HSL	129°, 10%, 58%
HSV	129°, 13%, 62%
XYZ	27.2071, 31.5869, 29.4082
YIQ	149.6690, -6.7380, -10.0500

Conversions

Conversions Part 2

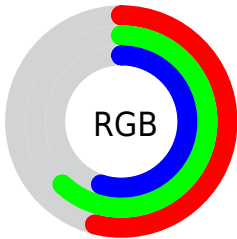
Format	Color
RYB	137, 155, 158
Decimal	9019020
CIELab	63.00, -11.00, 6.93
CIELCh	63, 12.995, 147.791
Yxy	31.5869, 0.3085, 0.3581
Android (android.graphics.Color)	4287209100 (0xFF899E8C)
YUV	149.6690, -4.7668, -11.1107
Hunter-Lab	56.2022, -11.9434, 8.3177

Details

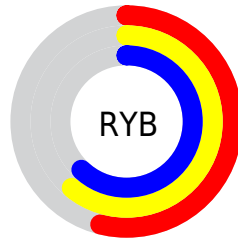
The CIELCh color $63, 12.995, 147.791$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $59, 13.027, 329.369$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 13.152, 148.960$, and $43, 13.235, 147.674$ is the 20% darker color. If you saturate the color by 10%, you get $62, 22.831, 147.031$, and if you desaturate by 10%, it is $65, 3.203, 148.495$.

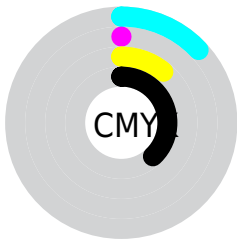
Distribution



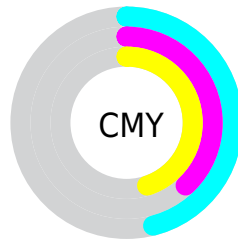
- Red (54%)
- Green (62%)
- Blue (55%)



- Red (54%)
- Yellow (61%)
- Blue (62%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (38%)





- Cyan (46%)
- Magenta (38%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 12.995, 147.791 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, 12.995, 147.791 by changing the saturation by 10% instead.


 63, 12.995,
147.791


 63, 12.995,
147.791


 100, 12.995,
147.791


 53, 12.995,
147.791


 83, 12.995,
147.791

 43, 12.995,
147.791

 93, 12.995,
147.791

 33, 12.995,
147.791

 23, 12.995,
147.791

 13, 12.995,
147.791

 3, 12.995, 147.791

 0, 12.995, 147.791

63, 12.995,
147.791

63, 12.995,
147.791

62, 22.831,
147.031

65, 3.203, 148.495

60, 32.575,
146.154

66, 6.452, 328.937

59, 42.060,
145.143

68, 15.897,
329.440

59, 51.086,
143.988

70, 25.088,
329.863

58, 59.427,
142.696

72, 33.998,
330.230

57, 66.839,
141.292

74, 42.615,
330.551


57, 73.078,
139.838


76, 50.938,
330.834

57, 77.922,

78, 57.610,
328.606

138.433

 78, 60.432,
326.500

 57, 80.405,
137.672

Harmonies

Complementary

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



63, 12.995, 147.791



59, 13.027, 329.369

Rectangle

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



63, 12.995, 147.791



63, 12.995, 197.791



63, 12.995, 327.791



63, 12.995, 17.791

Sweetspot

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



63, 12.997, 147.791



81, 4.783, 148.434



64, 11.683, 114.414



43, 3.394, 148.381



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, 12.997, 147.791



79, 19.288, 147.574



63, 9.087, 170.353



33, 5.518, 148.073



51, 74.507, 137.796



3, 7.232, 148.378

Inverse Universe

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



59, 13.027, 329.369



74, 19.335, 329.551



59, 9.356, 352.704



31, 5.532, 329.121



32, 67.261, 334.718



1, 7.059, 329.488

Previews

White Background



This preview shows how the CIELCh color 63, 12.995, 147.791 looks on a white background.

Color Contrast Check

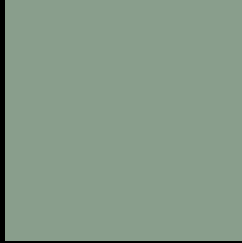
Large Text (above 18pt) WCAG AA × Fail

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, 12.995, 147.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

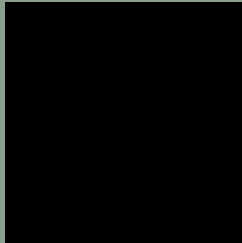
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 12.995, 147.791

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.995, 147.791.



This preview shows how white text looks on a background with the CIELCh color 63, 12.995, 147.791.

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, 12.995, 147.791

Protanopia
63, 8.805, 90.616

Deuteranopia
63, 10.056, 36.246



Tritanopia
63, 8.112, 255.244

Trichromacy



Original Color
63, 12.995, 147.791

Protanomaly
63, 8.991, 116.811

Deuteranomaly
63, 6.409, 79.746

Tritanomaly
63, 5.980, 204.327

Monochromacy



Original Color
63, 12.995, 147.791

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 4.335, 148.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.995, 147.791 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(137, 158, 140)` looks like.

```
.text, #text, p{  
    color:rgb(137, 158, 140)  
}
```

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(137, 158, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 158, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.995, 147.791 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(137, 158, 140) }
```

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

```
.border{ border-color:rgb(137, 158, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 158, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 158, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 158, 140);  
box-shadow:4px 4px 4px 4px rgb(137, 158,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.995, 147.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 158, 140) }
```

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

```
.background{ background-color: rgb(137,  
158, 140) }
```

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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