

Converting Colors

CIELCh(63, 12.437, 231.637)

Have a look what the booklet for
CIELCh(63, 12.437, 231.637)
contains.

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Color

CIELCh(63, 12.305, 231.892)

Conversions

Conversions Part 1

Format	Color
Hex	7F9DA9
RGB	127, 157, 169
RGB Percent	50%, 62%, 66%
CMY	0.5011, 0.3835, 0.3364
CMYK	0.25, 0.07, 0.00, 0.34
HSL	197°, 20%, 58%
HSV	197°, 25%, 66%
XYZ	28.0583, 31.5869, 42.2609
YIQ	149.3980, -21.7320, -2.6280

Conversions

Conversions Part 2

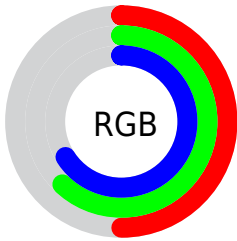
Format	Color
RYB	127, 145, 169
Decimal	8363433
CIELab	63.00, -7.59, -9.68
CIELCh	63, 12.305, 231.892
Yxy	31.5869, 0.2753, 0.3100
Android (android.graphics.Color)	4286553513 (0xFF7F9DA9)
YUV	149.3980, 9.6638, -19.6430
Hunter-Lab	56.2022, -9.2400, -5.2411

Details

The CIELCh color `63, 12.305, 231.892` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `60, 14.262, 48.438`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 12.403, 229.672`, and `43, 12.223, 231.397` is the 20% darker color. If you saturate the color by 10%, you get `61, 16.747, 233.137`, and if you desaturate by 10%, it is `65, 7.538, 230.922`.

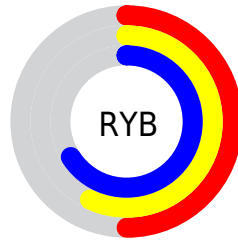
Distribution



Red (50%)

Green (62%)

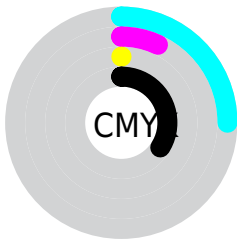
Blue (66%)



Red (50%)

Yellow (57%)

Blue (66%)

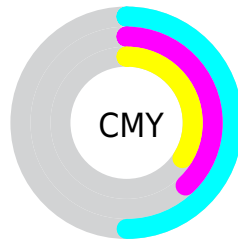


Cyan (25%)

Magenta (7%)

Yellow (0%)

Black (34%)



Cyan (50%)


Magenta (38%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 12.305, 231.892 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, 12.305, 231.892 by changing the saturation by 10% instead.


 63, 12.305,
231.892


 63, 12.305,
231.892


 100, 12.305,
231.892


 53, 12.305,
231.892


 83, 12.305,
231.892

 43, 12.305,
231.892

 93, 12.305,
231.892

 33, 12.305,
231.892

 23, 12.305,
231.892

 13, 12.305,
231.892

 3, 12.305, 231.892

 0, 12.305, 231.892

63, 12.305,
231.892

63, 12.305,
231.892

61, 16.747,
233.137

65, 7.538, 230.922

58, 20.801,
234.734

68, 2.508, 230.272

71, 2.730, 49.326

56, 24.411,
236.755

73, 8.125, 48.970

54, 27.537,
239.289

76, 13.638, 48.633

79, 19.232, 48.365

52, 30.174,
242.420

82, 24.881, 48.158

50, 32.362,
246.213

84, 27.810, 50.773

85, 27.593, 56.915

48, 34.206,
250.668

48, 35.145,

Harmonies

Complementary

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



63, 12.305, 231.892



60, 14.262, 48.438

Rectangle

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



63, 12.305, 231.892



63, 12.305, 281.892



63, 12.305, 51.892



63, 12.305, 101.892

Sweetspot

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



63, 12.305, 231.886



85, 4.470, 230.375



66, 23.211, 151.749



45, 2.897, 230.406



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 12.305, 231.886



78, 18.059, 232.562



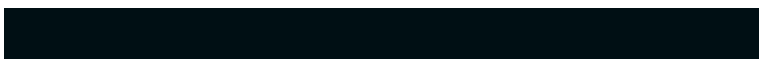
57, 18.945, 282.727



34, 2.900, 230.506



42, 31.694, 252.439



3, 5.398, 238.924

Inverse Universe

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



58, 23.369, 335.417



71, 34.864, 335.850



66, 18.495, 96.506



33, 5.264, 334.294



33, 62.273, 343.489



2, 9.044, 336.783

Previews

White Background



This preview shows how the CIELCh color 63, 12.305, 231.892 looks on a white background.

Color Contrast Check

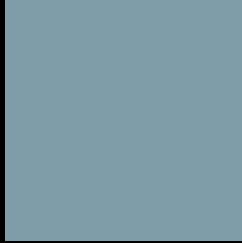
Large Text (above 18pt) WCAG AA × Fail

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, 12.305, 231.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

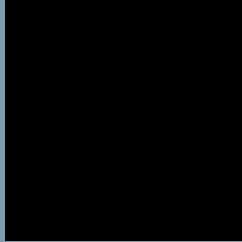
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

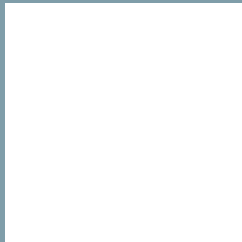
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 12.305, 231.892

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.305, 231.892.



This preview shows how white text looks on a background with the CIELCh color 63, 12.305, 231.892.

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, 12.305, 231.892

Protanopia
63, 7.842, 291.035

Deuteranopia
63, 13.465, 307.404



Tritanopia
63, 12.574, 234.195

Trichromacy



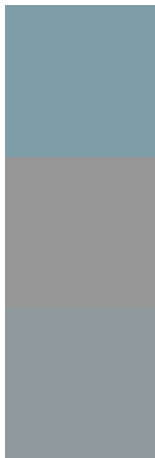
Original Color
63, 12.305, 231.892

Protanomaly
63, 8.707, 263.710

Deuteranomaly
63, 10.712, 283.547

Tritanomaly
63, 12.574, 234.195

Monochromacy



Original Color
63, 12.305, 231.892

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 4.640, 228.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.305, 231.892 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(127, 157, 169)` looks like.

```
.text, #text, p{  
    color:rgb(127, 157, 169)  
}
```

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(127, 157, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 157, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.305, 231.892 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(127, 157, 169) }
```

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

```
.border{ border-color:rgb(127, 157, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 157, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 157, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 157, 169);  
box-shadow:4px 4px 4px 4px rgb(127, 157,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.305, 231.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 157, 169) }
```

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

```
.background{ background-color: rgb(127,  
157, 169) }
```

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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