

Converting Colors

CIELCh(63, 13.951, 232.276)

Have a look what the booklet for
CIELCh(63, 13.951, 232.276)
contains.

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Color

CIELCh(63, 14.159, 232.316)

Conversions

Conversions Part 1

Format	Color
Hex	7B9EAC
RGB	123, 158, 172
RGB Percent	48%, 62%, 67%
CMY	0.5181, 0.3809, 0.3260
CMYK	0.29, 0.08, 0.00, 0.33
HSL	197°, 23%, 58%
HSV	197°, 29%, 67%
XYZ	27.7907, 31.5869, 43.5984
YIQ	149.1310, -25.3540, -3.0660

Conversions

Conversions Part 2

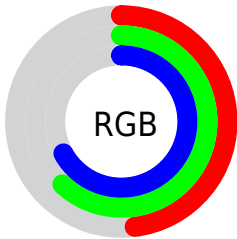
Format	Color
RYB	123, 143, 172
Decimal	8101548
CIELab	63.00, -8.66, -11.21
CIElCh	63, 14.159, 232.316
Yxy	31.5869, 0.2699, 0.3067
Android (android.graphics.Color)	4286291628 (0xFF7B9EAC)
YUV	149.1310, 11.2744, -22.9169
Hunter-Lab	56.2022, -10.0897, -6.6522

Details

The CIELCh color `63, 14.159, 232.316` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `60, 16.829, 48.282`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 13.958, 230.873`, and `43, 14.314, 231.590` is the 20% darker color. If you saturate the color by 10%, you get `61, 18.518, 233.684`, and if you desaturate by 10%, it is `65, 9.445, 231.245`.

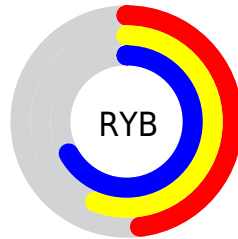
Distribution



Red (48%)

Green (62%)

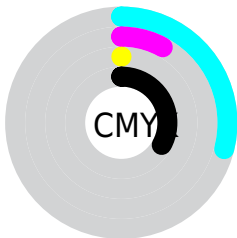
Blue (67%)



Red (48%)

Yellow (56%)

Blue (67%)

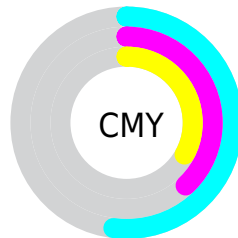


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (52%)


Magenta (38%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 14.159, 232.316 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, 14.159, 232.316 by changing the saturation by 10% instead.


 63, 14.159,
232.316


 63, 14.159,
232.316


 100, 14.159,
232.316


 53, 14.159,
232.316


 83, 14.159,
232.316

 43, 14.159,
232.316

 93, 14.159,
232.316

 33, 14.159,
232.316

 23, 14.159,
232.316

 13, 14.159,
232.316

 3, 14.159, 232.316

 0, 14.159, 232.316

63, 14.159,
232.316

63, 14.159,
232.316

61, 18.518,
233.684

65, 9.445, 231.245

68, 4.443, 230.454

58, 22.463,
235.431

71, 0.791, 49.113

56, 25.938,
237.637

73, 6.202, 49.106

54, 28.917,
240.388

76, 11.745, 48.745

79, 17.385, 48.452

52, 31.408,
243.767

82, 23.089, 48.224

50, 33.476,
247.821

84, 26.885, 50.088

85, 26.643, 56.549

49, 35.288,
252.425

48, 35.569,

Harmonies

Complementary

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



63, 14.159, 232.316



60, 16.829, 48.282

Rectangle

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



63, 14.159, 232.316



63, 14.159, 282.316



63, 14.159, 52.316



63, 14.159, 102.316

Sweetspot

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



63, 14.159, 232.311



86, 5.831, 230.496



66, 26.977, 151.406



45, 4.034, 230.592



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 14.159, 232.311



79, 20.582, 233.109



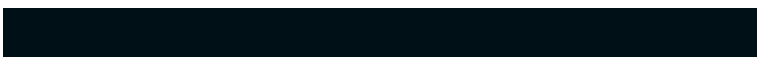
56, 22.149, 283.344



35, 2.973, 230.505



43, 32.110, 252.515



4, 6.427, 240.738

Inverse Universe

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



57, 27.180, 335.696



70, 40.195, 336.171



66, 21.532, 96.060



34, 5.396, 334.296



33, 63.040, 343.516



2, 10.621, 337.438

Previews

White Background



This preview shows how the CIELCh color 63, 14.159, 232.316 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, 14.159, 232.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

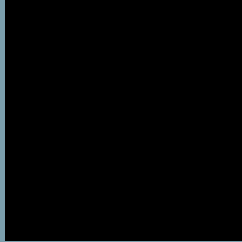
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

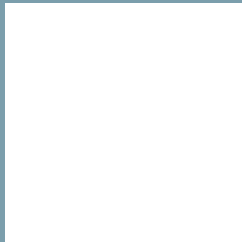
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 14.159, 232.316

Background



This preview shows how black text looks on a background with the CIELCh color 63, 14.159, 232.316.



This preview shows how white text looks on a background with the CIELCh color 63, 14.159, 232.316.

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](#).

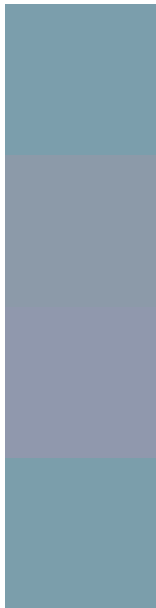
Dichromacy





Tritanopia
63, 13.910, 230.226

Trichromacy



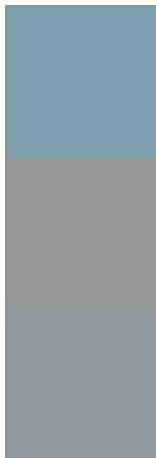
Original Color
63, 14.159, 232.316

Protanomaly
63, 9.670, 259.664

Deuteranomaly
63, 12.030, 277.672

Tritanomaly
63, 13.910, 230.226

Monochromacy



Original Color
63, 14.159, 232.316

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 5.223, 231.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 14.159, 232.316 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(123, 158, 172)` looks like.

```
.text, #text, p{  
    color:rgb(123, 158, 172)  
}
```

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(123, 158, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 158, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 14.159, 232.316 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(123, 158, 172) }
```

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

```
.border{ border-color:rgb(123, 158, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 158, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 158, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 158, 172); box-shadow:4px 4px 4px 4px rgb(123, 158, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 14.159, 232.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 158, 172) }
```

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

```
.background{ background-color: rgb(123,  
158, 172) }
```

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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