

Converting Colors

CIELCh(63, 19.623, 202.935)

Have a look what the booklet for
CIELCh(63, 19.623, 202.935)
contains.

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Color

CIELCh(63, 19.578, 202.713)

Conversions

Conversions Part 1

Format	Color
Hex	68A2A5
RGB	104, 162, 165
RGB Percent	41%, 64%, 65%
CMY	0.5914, 0.3639, 0.3522
CMYK	0.37, 0.02, 0.00, 0.35
HSL	183°, 25%, 53%
HSV	183°, 37%, 65%
XYZ	25.4945, 31.5869, 40.4428
YIQ	145.0000, -35.5310, -11.3630

Conversions

Conversions Part 2

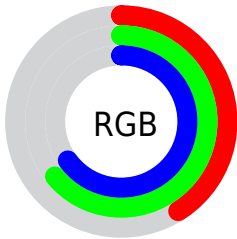
Format	Color
RYB	104, 134, 165
Decimal	6857381
CIELab	63.00, -18.06, -7.56
CIELCh	63, 19.578, 202.713
Yxy	31.5869, 0.2614, 0.3239
Android (android.graphics.Color)	4285047461 (0xFF68A2A5)
YUV	145.0000, 9.8600, -35.9570
Hunter-Lab	56.2022, -17.3828, -3.3231

Details

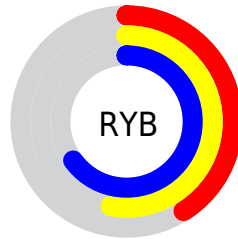
The CIELCh color **63, 19.578, 202.713** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **51, 25.420, 26.305**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 19.518, 202.776**, and **43, 19.440, 202.634** is the 20% darker color. If you saturate the color by 10%, you get **62, 23.718, 202.627**, and if you desaturate by 10%, it is **64, 14.860, 202.895**.

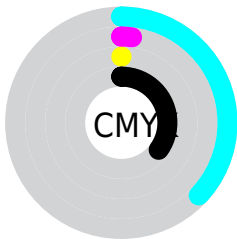
Distribution



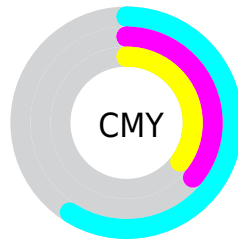
- Red (41%)
- Green (64%)
- Blue (65%)



- Red (41%)
- Yellow (53%)
- Blue (65%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)





- Cyan (59%)
- Magenta (36%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 19.578, 202.713 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, 19.578, 202.713 by changing the saturation by 10% instead.


 63, 19.578,
202.713


 63, 19.578,
202.713


 100, 19.578,
202.713


 53, 19.578,
202.713


 83, 19.578,
202.713

 43, 19.578,
202.713

 93, 19.578,
202.713

 33, 19.578,
202.713

 23, 19.578,
202.713

 13, 19.578,
202.713

 3, 19.578, 202.713

 0, 19.578, 202.713

63, 19.578,
202.713

63, 19.578,
202.713

62, 23.718,
202.627

64, 14.860,
202.895

61, 27.196,
202.661

65, 9.656, 203.172

60, 29.950,
202.828

67, 4.060, 203.568

68, 1.841, 23.568

60, 31.947,
203.143

70, 7.969, 24.193

59, 33.198,
203.618

72, 14.256, 24.674

73, 20.648, 25.161

59, 33.795,
204.253

75, 27.099, 25.657

59, 33.932,
204.458

77, 33.575, 26.159

Harmonies

Complementary

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



63, 19.578, 202.713



51, 25.420, 26.305

Rectangle

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



63, 19.578, 202.713



63, 19.578, 252.713



63, 19.578, 22.713



63, 19.578, 72.713

Sweetspot

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



63, 19.578, 202.710



84, 7.879, 203.376



62, 40.383, 142.642



44, 5.266, 203.327



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 19.578, 202.710



79, 27.774, 202.636



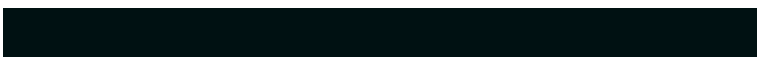
54, 20.606, 265.051



34, 3.264, 203.457



52, 30.911, 204.367



4, 5.129, 205.182

Inverse Universe

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



52, 39.912, 327.804



64, 58.174, 328.214



59, 22.347, 74.268



32, 6.061, 326.270



34, 73.201, 330.247



2, 9.283, 326.228

Previews

White Background



This preview shows how the CIELCh color 63, 19.578, 202.713 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, 19.578, 202.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

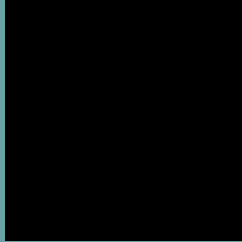
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 19.578, 202.713

Background



This preview shows how black text looks on a background with the CIELCh color 63, 19.578, 202.713.

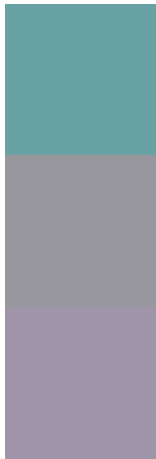


This preview shows how white text looks on a background with the CIELCh color 63, 19.578, 202.713.

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, 19.578, 202.713

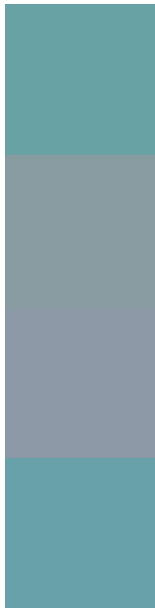
Protanopia
63, 4.007, 301.509

Deuteranopia
63, 11.988, 311.294



Tritanopia
63, 19.247, 220.375

Trichromacy



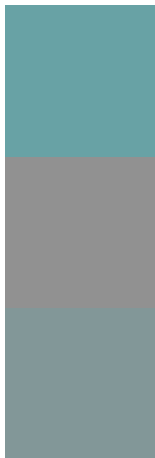
Original Color
63, 19.578, 202.713

Protanomaly
63, 7.957, 223.926

Deuteranomaly
63, 9.216, 257.733

Tritanomaly
63, 19.189, 215.009

Monochromacy



Original Color
63, 19.578, 202.713

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 7.799, 202.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 19.578, 202.713 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(104, 162, 165)` looks like.

```
.text, #text, p{  
    color:rgb(104, 162, 165)  
}
```

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(104, 162, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 162, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 19.578, 202.713 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(104, 162, 165) }
```

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

```
.border{ border-color:rgb(104, 162, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 162, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 162, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 162, 165);  
box-shadow:4px 4px 4px 4px rgb(104, 162,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 19.578, 202.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 162, 165) }
```

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

```
.background{ background-color: rgb(104,  
162, 165) }
```

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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