

Converting Colors

CIELCh(63, 20.258, 197.766)

Have a look what the booklet for
CIELCh(63, 20.258, 197.766)
contains.

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Color

CIELCh(63, 20.319, 197.667)

Conversions

Conversions Part 1

Format	Color
Hex	67A3A3
RGB	103, 163, 163
RGB Percent	40%, 64%, 64%
CMY	0.5972, 0.3620, 0.3620
CMYK	0.37, 0.00, 0.00, 0.36
HSL	180°, 25%, 52%
HSV	180°, 37%, 64%
XYZ	25.1871, 31.5869, 39.2787
YIQ	145.0600, -35.7600, -12.7200

Conversions

Conversions Part 2

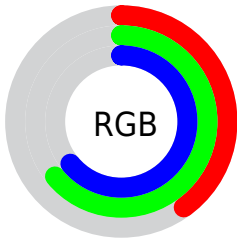
Format	Color
RYB	103, 133, 163
Decimal	6792099
CIELab	63.00, -19.36, -6.17
CIElCh	63, 20.319, 197.667
Yxy	31.5869, 0.2622, 0.3288
Android (android.graphics.Color)	4284982179 (0xFF67A3A3)
YUV	145.0600, 8.8444, -36.8866
Hunter-Lab	56.2022, -18.3588, -2.0951

Details

The CIELCh color **63, 20.319, 197.667** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **50, 26.172, 22.731**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 20.226, 198.014**, and **43, 20.444, 197.106** is the 20% darker color. If you saturate the color by 10%, you get **62, 24.645, 197.298**, and if you desaturate by 10%, it is **64, 15.404, 198.089**.

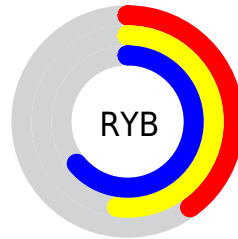
Distribution



Red (40%)

Green (64%)

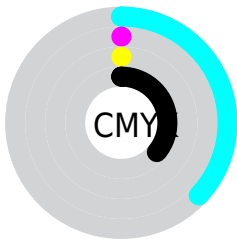
Blue (64%)



Red (40%)

Yellow (52%)

Blue (64%)

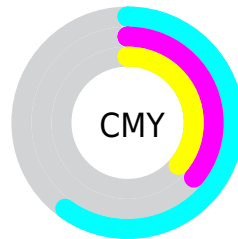


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 20.319, 197.667 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, 20.319, 197.667 by changing the saturation by 10% instead.

■ 63, 20.319,
197.667

■ 63, 20.319,
197.667

■ 100, 20.319,
197.667

■ 53, 20.319,
197.667

■ 83, 20.319,
197.667

■ 43, 20.319,
197.667

■ 93, 20.319,
197.667

■ 33, 20.319,
197.667

■ 23, 20.319,
197.667

■ 13, 20.319,
197.667

■ 3, 20.319, 197.667

■ 0, 20.319, 197.667

63, 20.319,
197.667

63, 20.319,
197.667

62, 24.645,
197.298

64, 15.404,
198.089

62, 28.300,
196.995

65, 9.992, 198.572

66, 4.179, 199.147

61, 31.224,
196.755

67, 1.942, 19.335

61, 33.394,
196.579

69, 8.289, 20.093

61, 34.824,
196.464

70, 14.790, 20.711

72, 21.385, 21.326

61, 35.609,
196.401

74, 28.026, 21.945

61, 35.808,
196.385

75, 34.675, 22.564

Harmonies

Complementary

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



63, 20.319, 197.667



50, 26.172, 22.731

Rectangle

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



63, 20.319, 197.667



63, 20.319, 247.667



63, 20.319, 17.667



63, 20.319, 67.667

Sweetspot

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



63, 20.319, 197.664



83, 8.196, 198.879



62, 40.519, 141.404



44, 5.532, 198.807



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, 20.319, 197.664



79, 28.953, 197.368



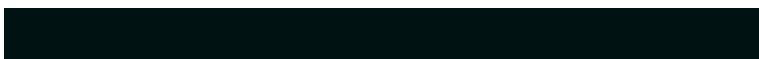
55, 19.246, 259.552



34, 3.428, 198.993



54, 32.967, 196.385



4, 5.463, 199.421

Inverse Universe

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



50, 26.172, 22.731



60, 39.706, 23.981



57, 21.553, 69.186



32, 3.629, 19.902



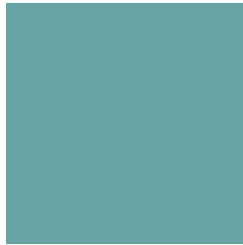
30, 68.063, 39.264



1, 5.464, 19.404

Previews

White Background



This preview shows how the CIELCh color 63, 20.319, 197.667 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, 20.319, 197.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

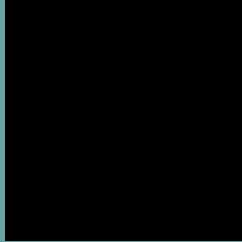
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 20.319, 197.667

Background



This preview shows how black text looks on a background with the CIELCh color 63, 20.319, 197.667.

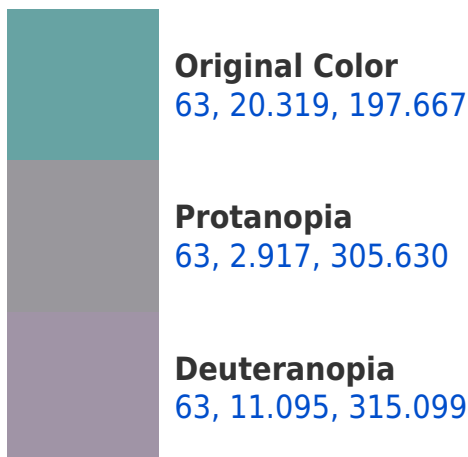



This preview shows how white text looks on a background with the CIELCh color 63, 20.319, 197.667.

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, 19.247, 220.375

Trichromacy



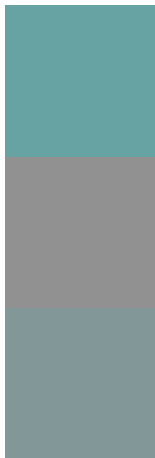
Original Color
63, 20.319, 197.667

Protanomaly
63, 7.513, 211.787

Deuteranomaly
62, 8.324, 253.224

Tritanomaly
63, 19.329, 211.353

Monochromacy



Original Color
63, 20.319, 197.667

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 7.815, 198.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 20.319, 197.667 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(103, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(103, 163, 163)  
}
```

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(103, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 163, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 20.319, 197.667 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(103, 163, 163) }
```

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

```
.border{ border-color:rgb(103, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(103, 163,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 20.319, 197.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 163, 163) }
```

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

```
.background{ background-color: rgb(103,  
163, 163) }
```

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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