

Converting Colors

CIELCh(63, 20.537, 197.704)

Have a look what the booklet for
CIELCh(63, 20.537, 197.704)
contains.

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Color

CIELCh(63, 20.603, 197.643)

Conversions

Conversions Part 1

Format	Color
Hex	66A3A3
RGB	102, 163, 163
RGB Percent	40%, 64%, 64%
CMY	0.6006, 0.3614, 0.3614
CMYK	0.37, 0.00, 0.00, 0.36
HSL	180°, 25%, 52%
HSV	180°, 37%, 64%
XYZ	25.1229, 31.5869, 39.3432
YIQ	144.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

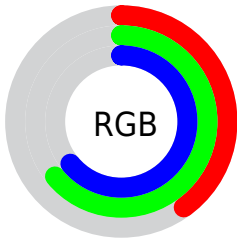
Format	Color
RYB	102, 133, 163
Decimal	6726563
CIELab	63.00, -19.63, -6.24
CIElCh	63, 20.603, 197.643
Yxy	31.5869, 0.2616, 0.3288
Android (android.graphics.Color)	4284916643 (0xFF66A3A3)
YUV	144.7610, 8.9918, -37.5014
Hunter-Lab	56.2022, -18.5628, -2.1632

Details

The CIELCh color **63, 20.603, 197.643** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **50, 26.659, 22.815**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 20.522, 197.993**, and **43, 20.678, 197.080** is the 20% darker color. If you saturate the color by 10%, you get **62, 24.894, 197.278**, and if you desaturate by 10%, it is **64, 15.717, 198.061**.

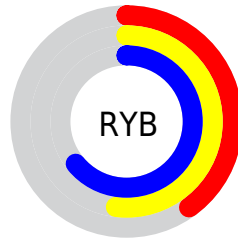
Distribution



Red (40%)

Green (64%)

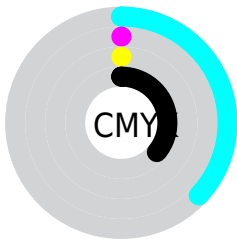
Blue (64%)



Red (40%)

Yellow (52%)

Blue (64%)

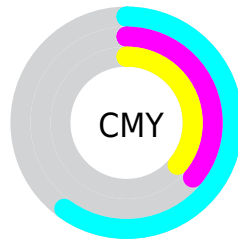


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (60%)


Magenta (36%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 20.603, 197.643 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, 20.603, 197.643 by changing the saturation by 10% instead.


 63, 20.603,
197.643


 63, 20.603,
197.643


 100, 20.603,
197.643


 53, 20.603,
197.643


 83, 20.603,
197.643

 43, 20.603,
197.643

 93, 20.603,
197.643

 33, 20.603,
197.643

 23, 20.603,
197.643

 13, 20.603,
197.643

 3, 20.603, 197.643

 0, 20.603, 197.643

63, 20.603,
197.643

63, 20.603,
197.643

62, 24.894,
197.278

64, 15.717,
198.061

62, 28.510,
196.978

65, 10.328,
198.541

61, 31.392,
196.742

66, 4.532, 199.107

61, 33.518,
196.570

67, 1.578, 19.245

69, 7.918, 20.056

61, 34.907,
196.458

70, 14.415, 20.674

61, 35.668,
196.397

72, 21.011, 21.290

74, 27.655, 21.908

61, 35.829,
196.384

75, 34.308, 22.528

Harmonies

Complementary

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



63, 20.603, 197.643



50, 26.659, 22.815

Rectangle

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



63, 20.603, 197.643



63, 20.603, 247.643



63, 20.603, 17.643



63, 20.603, 67.643

Sweetspot

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



63, 20.603, 197.640



83, 8.196, 198.878



62, 41.172, 141.350



44, 5.532, 198.806



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, 20.603, 197.640



79, 29.462, 197.333



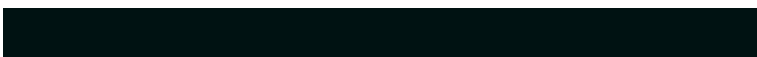
54, 19.554, 259.681



34, 3.428, 198.992



54, 32.967, 196.384



4, 5.463, 199.420

Inverse Universe

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



50, 26.659, 22.815



60, 40.735, 24.161



57, 21.942, 69.115



32, 3.629, 19.902



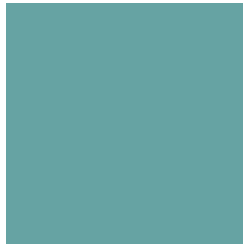
30, 68.063, 39.264



1, 5.464, 19.404

Previews

White Background



This preview shows how the CIE LCh color 63, 20.603, 197.643 looks on a white background.

Color Contrast Check

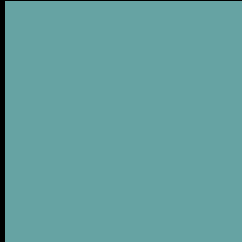
Large Text (above 18pt) WCAG AA × Fail

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, 20.603, 197.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

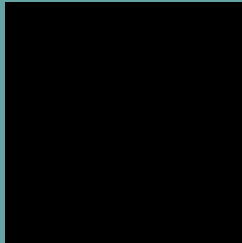
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 20.603, 197.643

Background



This preview shows how black text looks on a background with the CIELCh color 63, 20.603, 197.643.

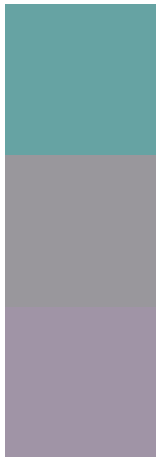


This preview shows how white text looks on a background with the CIELCh color 63, 20.603, 197.643.

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, 20.603, 197.643

Protanopia
63, 2.917, 305.630

Deuteranopia
63, 11.095, 315.099



Tritanopia
63, 19.505, 220.044

Trichromacy



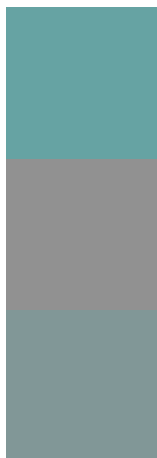
Original Color
63, 20.603, 197.643

Protanomaly
62, 7.858, 211.179

Deuteranomaly
62, 8.324, 253.224

Tritanomaly
63, 19.602, 211.141

Monochromacy



Original Color
63, 20.603, 197.643

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 8.173, 198.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 20.603, 197.643 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(102, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 163, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 20.603, 197.643 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(102, 163, 163) }
```

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

```
.border{ border-color:rgb(102, 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(102, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(102, 163,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 20.603, 197.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 163, 163) }
```

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

```
.background{ background-color: rgb(102,  
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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