

Converting Colors

CIELCh(63, 31.907, 200.263)

Have a look what the booklet for
CIELCh(63, 31.907, 200.263)
contains.

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Color

CIELCh(63, 32.060, 199.811)

Conversions

Conversions Part 1

Format	Color
Hex	35A8AB
RGB	53, 168, 171
RGB Percent	21%, 66%, 67%
CMY	0.7935, 0.3422, 0.3304
CMYK	0.69, 0.02, 0.00, 0.33
HSL	182°, 53%, 44%
HSV	182°, 69%, 67%
XYZ	22.7302, 31.5869, 43.2978
YIQ	133.9570, -69.5030, -23.4470

Conversions

Conversions Part 2

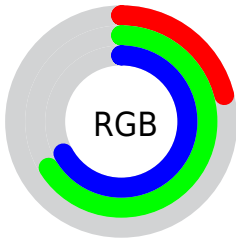
Format	Color
RYB	53, 111, 171
Decimal	3516587
CIELab	63.00, -30.16, -10.87
CIELCh	63, 32.060, 199.811
Yxy	31.5869, 0.2329, 0.3236
Android (android.graphics.Color)	4281706667 (0xFF35A8AB)
YUV	133.9570, 18.2622, -70.9993
Hunter-Lab	56.2022, -26.1621, -6.3350




Details

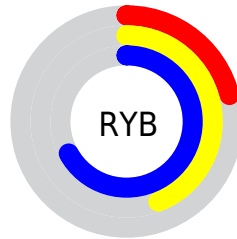
The CIELCh color **63, 32.060, 199.811** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **41, 54.594, 31.034**, and the grayscale version is **56, 0.007, 296.813**.




A 20% lighter version of the original color is **83, 32.291, 199.140**, and **44, 27.285, 201.611** is the 20% darker color. If you saturate the color by 10%, you get **63, 34.006, 199.901**, and if you desaturate by 10%, it is **64, 29.327, 199.824**.

Distribution







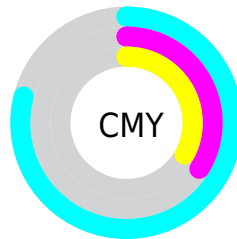
-  Red (21%)
-  Green (66%)
-  Blue (67%)






-  Red (21%)
-  Yellow (44%)
-  Blue (67%)



-  Cyan (69%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (33%)





-  Cyan (79%)
-  Magenta (34%)
-  Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 32.060, 199.811 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, 32.060, 199.811 by changing the saturation by 10% instead.


 63, 32.060,
199.811


 63, 32.060,
199.811


 100, 32.060,
199.811


 53, 32.060,
199.811


 83, 32.060,
199.811

 43, 32.060,
199.811

 93, 32.060,
199.811

 33, 32.060,
199.811

 23, 32.060,
199.811

 13, 32.060,
199.811

 3, 32.060, 199.811

 0, 32.060, 199.811

■ 63, 32.060,
199.811

■ 63, 32.060,
199.811

■ 63, 34.006,
199.901

■ 64, 29.327,
199.824

■ 62, 35.193,
200.102

■ 64, 25.828,
199.939

■ 62, 35.778,
200.395

■ 65, 21.620,
200.144

■ 62, 35.821,
200.421

■ 66, 16.785,
200.433

■ 67, 11.417,
200.797

■ 69, 5.615, 201.250

■ 70, 0.525, 20.679

■ 72, 6.918, 22.038

Harmonies

Complementary

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



63, 32.060, 199.811



41, 54.594, 31.034

Rectangle

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



63, 32.060, 199.811



63, 32.060, 249.811



63, 32.060, 19.811



63, 32.060, 69.811

Sweetspot

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



63, 32.060, 199.810



85, 15.372, 200.710



62, 73.460, 138.666



45, 10.394, 200.610



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, 32.060, 199.810



79, 42.220, 199.994



45, 38.147, 272.651



35, 3.426, 201.244



54, 32.245, 200.372



5, 6.341, 202.511

Inverse Universe

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



44, 71.687, 328.533



54, 97.331, 328.973



53, 45.180, 68.289



33, 6.320, 325.607



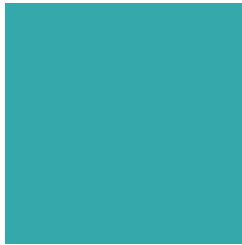
35, 75.503, 329.249



2, 11.392, 325.406

Previews

White Background



This preview shows how the CIE LCh color 63, 32.060, 199.811 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, 32.060, 199.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

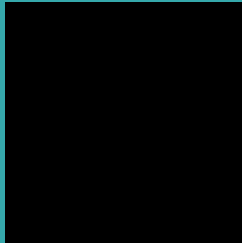
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 32.060, 199.811

Background



This preview shows how black text looks on a background with the CIELCh color 63, 32.060, 199.811.

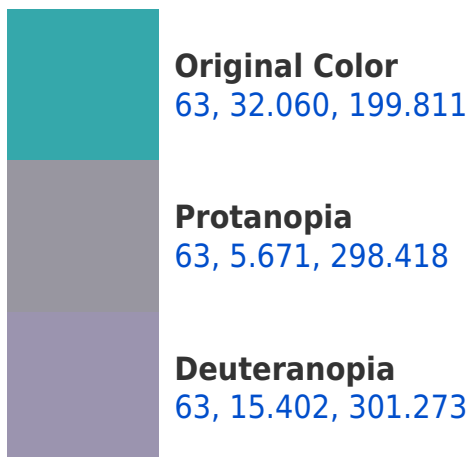


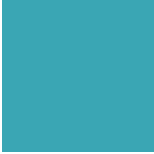
This preview shows how white text looks on a background with the CIELCh color 63, 32.060, 199.811.

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, 30.405, 212.172

Trichromacy



Original Color
63, 32.060, 199.811

Protanomaly
62, 14.477, 216.466

Deuteranomaly
62, 15.819, 238.507

Tritanomaly
63, 30.938, 207.491

Monochromacy



Original Color
63, 32.060, 199.811

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 14.946, 200.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 32.060, 199.811 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(53, 168, 171)` looks like.

```
.text, #text, p{  
    color:rgb(53, 168, 171)  
}
```

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(53, 168, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 168, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 32.060, 199.811 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(53, 168, 171) }
```

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

```
.border{ border-color:rgb(53, 168, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 168, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 168, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 168, 171);  
box-shadow:4px 4px 4px 4px rgb(53, 168,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 32.060, 199.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 168, 171) }
```

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

```
.background{ background-color: rgb(53, 168,  
171) }
```

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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