

Converting Colors

CIELCh(63, 30.699, 203.525)

Have a look what the booklet for
CIELCh(63, 30.699, 203.525)
contains.

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Color

CIELCh(63, 30.681, 203.265)

Conversions

Conversions Part 1

Format	Color
Hex	3BA7AD
RGB	59, 167, 173
RGB Percent	23%, 65%, 68%
CMY	0.7686, 0.3451, 0.3215
CMYK	0.66, 0.03, 0.00, 0.32
HSL	183°, 49%, 45%
HSV	183°, 66%, 68%
XYZ	23.1672, 31.5869, 44.4137
YIQ	135.3920, -66.2940, -21.0300

Conversions

Conversions Part 2

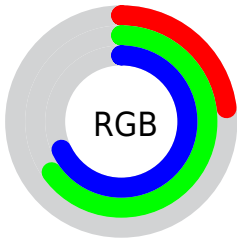
Format	Color
R _Y B	59, 114, 173
Decimal	3909549
CIE Lab	63.00, -28.19, -12.12
CIE LCh	63, 30.681, 203.265
Yxy	31.5869, 0.2336, 0.3185
Android (android.graphics.Color)	4282099629 (0xFF3BA7AD)
YUV	135.3920, 18.5407, -66.9958
Hunter-Lab	56.2022, -24.7742, -7.5122

Details

The CIELCh color **63, 30.681, 203.265** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 51.406, 31.569**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 30.453, 203.429**, and **44, 27.084, 204.294** is the 20% darker color. If you saturate the color by 10%, you get **62, 32.805, 203.605**, and if you desaturate by 10%, it is **64, 27.770, 203.076**.

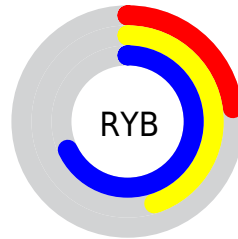
Distribution



Red (23%)

Green (65%)

Blue (68%)



Red (23%)

Yellow (45%)

Blue (68%)

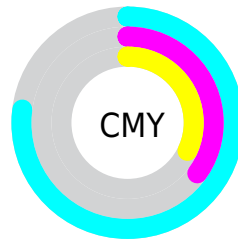


Cyan (66%)

Magenta (3%)

Yellow (0%)

Black (32%)



Cyan (77%)


Magenta (35%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 30.681, 203.265 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, 30.681, 203.265 by changing the saturation by 10% instead.


 63, 30.681,
203.265


 63, 30.681,
203.265


 100, 30.681,
203.265


 53, 30.681,
203.265


 83, 30.681,
203.265

 43, 30.681,
203.265

 93, 30.681,
203.265

 33, 30.681,
203.265

 23, 30.681,
203.265

 13, 30.681,
203.265

 3, 30.681, 203.265

 0, 30.681, 203.265

63, 30.681,
203.265

63, 30.681,
203.265

62, 32.805,
203.605

64, 27.770,
203.076

62, 34.151,
204.116

65, 24.110,
203.027

61, 34.789,
204.802

66, 19.769,
203.098

61, 34.960,
205.107

67, 14.836,
203.274

68, 9.408, 203.545

70, 3.581, 203.952

71, 2.555, 23.993

73, 8.918, 24.550

75, 15.441, 25.022

Harmonies

Complementary

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



63, 30.681, 203.265



43, 51.406, 31.569

Rectangle

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



63, 30.681, 203.265



63, 30.681, 253.265



63, 30.681, 23.265



63, 30.681, 73.265

Sweetspot

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



63, 30.681, 203.264



86, 14.431, 203.413



63, 70.169, 139.823



45, 9.745, 203.341



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, 30.681, 203.264



79, 40.686, 203.813



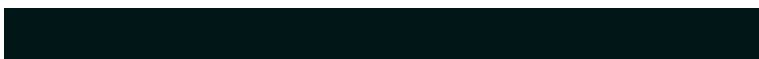
46, 38.698, 274.893



36, 3.420, 203.786



54, 31.566, 205.003



6, 7.245, 206.312

Inverse Universe

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



45, 68.757, 329.317



55, 94.261, 329.862



55, 43.640, 71.873



34, 6.359, 326.373



35, 74.860, 330.405



2, 13.147, 326.572

Previews

White Background



This preview shows how the CIELCh color 63, 30.681, 203.265 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, 30.681, 203.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

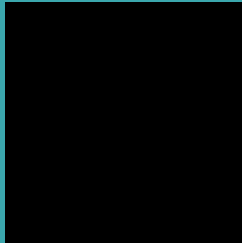
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 30.681, 203.265

Background



This preview shows how black text looks on a background with the CIELCh color 63, 30.681, 203.265.

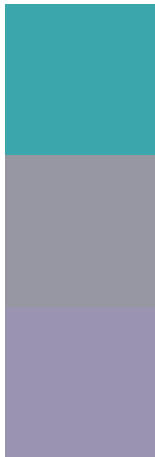


This preview shows how white text looks on a background with the CIELCh color 63, 30.681, 203.265.

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, 30.681, 203.265

Protanopia

63, 7.306, 293.900

Deuteranopia

63, 16.452, 299.456



Tritanopia
63, 29.779, 211.397

Trichromacy



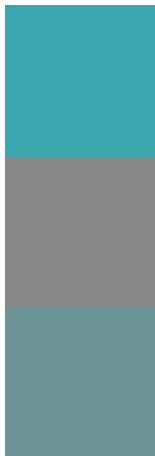
Original Color
63, 30.681, 203.265

Protanomaly
62, 14.336, 224.049

Deuteranomaly
62, 16.581, 244.231

Tritanomaly
63, 29.946, 209.043

Monochromacy



Original Color
63, 30.681, 203.265

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 14.266, 202.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 30.681, 203.265 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(59, 167, 173)` looks like.

```
.text, #text, p{  
    color:rgb(59, 167, 173)  
}
```

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(59, 167, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 167, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 30.681, 203.265 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(59, 167, 173) }
```

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

```
.border{ border-color:rgb(59, 167, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 167, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 167, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 167, 173);  
box-shadow:4px 4px 4px 4px rgb(59, 167,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 30.681, 203.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 167, 173) }
```

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

```
.background{ background-color: rgb(59, 167,  
173) }
```

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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