

Converting Colors

CIELCh(63, 32.612, 196.716)

Have a look what the booklet for
CIELCh(63, 32.612, 196.716)
contains.

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Color

CIELCh(63, 32.562, 196.709)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 34A8A8 |
| RGB | 52, 168, 168 |
| RGB Percent | 20%, 66%, 66% |
| CMY | 0.7958, 0.3409, 0.3410 |
| CMYK | 0.69, 0.00, 0.00, 0.34 |
| HSL | 180°, 53%, 43% |
| HSV | 180°, 69%, 66% |
| XYZ | 22.5058, 31.5869, 41.9832 |
| YIQ | 133.3160, -69.1360, -24.5920 |

Conversions

Conversions Part 2

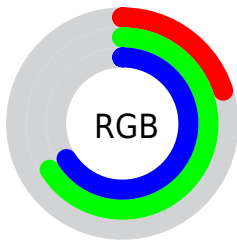
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 52, 110, 168 |
| Decimal | 3451048 |
| CIELab | 63.00, -31.19, -9.36 |
| CIElCh | 63, 32.562, 196.709 |
| Yxy | 31.5869, 0.2343, 0.3288 |
| Android (android.graphics.Color) | 4281641128 (0xFF34A8A8) |
| YUV | 133.3160, 17.0992, -71.3141 |
| Hunter-Lab | 56.2022, -26.8748, -4.9482 |

Details

The CIELCh color **63, 32.562, 196.709** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **40, 54.538, 29.807**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 32.798, 196.261**, and **44, 27.683, 197.673** is the 20% darker color. If you saturate the color by 10%, you get **63, 34.610, 196.546**, and if you desaturate by 10%, it is **63, 29.736, 196.933**.

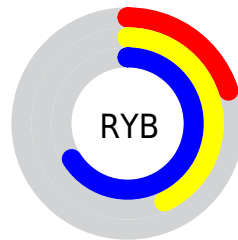
Distribution



Red (20%)

Green (66%)

Blue (66%)



Red (20%)

Yellow (43%)

Blue (66%)

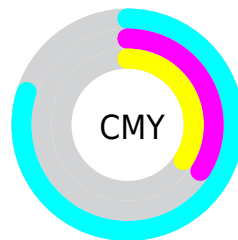


Cyan (69%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (80%)


Magenta (34%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 32.562, 196.709 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, 32.562, 196.709 by changing the saturation by 10% instead.


 63, 32.562,
196.709


 63, 32.562,
196.709


 100, 32.562,
196.709


 53, 32.562,
196.709


 83, 32.562,
196.709

 43, 32.562,
196.709

 93, 32.562,
196.709

 33, 32.562,
196.709

 23, 32.562,
196.709

 13, 32.562,
196.709

 3, 32.562, 196.709

 0, 32.562, 196.709

63, 32.562,
196.709

63, 32.562,
196.709

63, 34.610,
196.546

63, 29.736,
196.933

62, 35.908,
196.444

64, 26.149,
197.223

62, 36.612,
196.388

65, 21.856,
197.576

62, 36.674,
196.384

66, 16.935,
197.989

67, 11.482,
198.460

68, 5.595, 199.007

69, 0.630, 18.689

70, 7.104, 19.959

Harmonies

Complementary

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



63, 32.562, 196.709



40, 54.538, 29.807

Rectangle

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



63, 32.562, 196.709



63, 32.562, 246.709



63, 32.562, 16.709



63, 32.562, 66.709

Sweetspot

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



63, 32.562, 196.708



84, 15.633, 198.343



61, 72.836, 138.091



44, 10.473, 198.217



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 32.562, 196.708



80, 43.184, 196.482



46, 35.720, 268.889



35, 3.516, 198.990



55, 33.388, 196.384



5, 6.572, 199.420

Inverse Universe

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



40, 54.538, 29.807



48, 81.794, 35.109



51, 44.391, 65.205



33, 3.724, 19.905



30, 69.026, 39.359



1, 6.572, 19.404

Previews

White Background



This preview shows how the CIELCh color 63, 32.562, 196.709 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, 32.562, 196.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

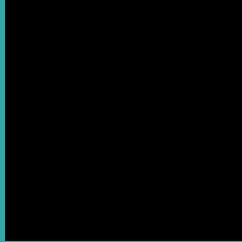
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

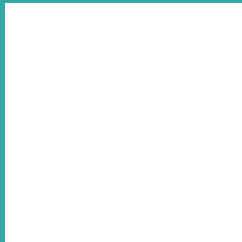
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 32.562, 196.709

Background



This preview shows how black text looks on a background with the CIELCh color 63, 32.562, 196.709.

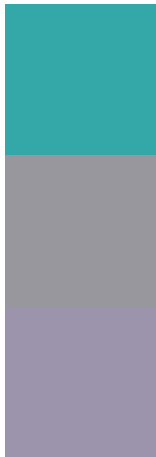


This preview shows how white text looks on a background with the CIELCh color 63, 32.562, 196.709.

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, 32.562, 196.709

Protanopia
63, 3.392, 296.977

Deuteranopia
63, 14.372, 303.392



Tritanopia
63, 30.256, 212.259

Trichromacy



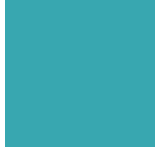
Original Color
63, 32.562, 196.709



Protanomaly
62, 14.506, 207.144



Deuteranomaly
62, 15.235, 234.872



Tritanomaly
63, 30.975, 206.396

Monochromacy



Original Color
63, 32.562, 196.709



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.003, 198.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 32.562, 196.709 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(52, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(52, 168, 168)  
}
```

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(52, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 168, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 32.562, 196.709 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(52, 168, 168) }
```

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

```
.border{ border-color:rgb(52, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(52, 168,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 32.562, 196.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 168, 168) }
```

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

```
.background{ background-color: rgb(52, 168,  
168) }
```

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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