

Converting Colors

CIELCh(64, 28.335, 199.362)

Have a look what the booklet for
CIELCh(64, 28.335, 199.362)
contains.

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Color

CIELCh(64, 28.315, 199.358)

Conversions

Conversions Part 1

Format	Color
Hex	4CA9AB
RGB	76, 169, 171
RGB Percent	30%, 66%, 67%
CMY	0.7024, 0.3377, 0.3298
CMYK	0.56, 0.01, 0.00, 0.33
HSL	181°, 39%, 48%
HSV	181°, 56%, 67%
XYZ	24.4779, 32.8017, 43.5136
YIQ	141.4210, -56.0700, -19.0940

Conversions

Conversions Part 2

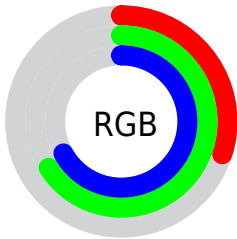
Format	Color
RYB	76, 123, 171
Decimal	5024171
CIELab	64.00, -26.71, -9.39
CIElCh	64, 28.315, 199.358
Yxy	32.8017, 0.2429, 0.3254
Android (android.graphics.Color)	4283214251 (0xFF4CA9AB)
YUV	141.4210, 14.5824, -57.3742
Hunter-Lab	57.2727, -23.9379, -4.9553

Details

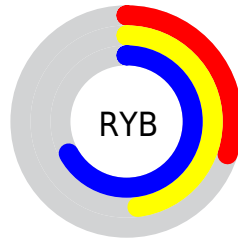
The CIELCh color **64, 28.315, 199.358** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **45, 42.785, 27.420**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.357, 198.580**, and **44, 27.578, 200.256** is the 20% darker color. If you saturate the color by 10%, you get **63, 31.346, 199.270**, and if you desaturate by 10%, it is **65, 24.533, 199.533**.

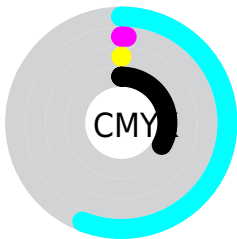
Distribution



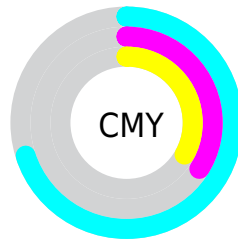
- Red (30%)
- Green (66%)
- Blue (67%)



- Red (30%)
- Yellow (48%)
- Blue (67%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (70%)
- Magenta (34%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 28.315, 199.358 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 64, 28.315, 199.358 by changing the saturation by 10% instead.

 64, 28.315,
199.358

 64, 28.315,
199.358


 100, 28.315,
199.358


 54, 28.315,
199.358


 84, 28.315,
199.358


 44, 28.315,
199.358


 94, 28.315,
199.358

 34, 28.315,
199.358

 24, 28.315,
199.358

 14, 28.315,
199.358

 4, 28.315, 199.358

 0, 28.315, 199.358

64, 28.315,
199.358

64, 28.315,
199.358

63, 31.346,
199.270

65, 24.533,
199.533

63, 33.591,
199.281

66, 20.066,
199.794

63, 35.061,
199.391

67, 15.003,
200.131

62, 35.822,
199.600

68, 9.440, 200.541

62, 36.054,
199.705

69, 3.476, 201.072

71, 2.795, 21.238

72, 9.292, 21.878

74, 15.942, 22.440

76, 22.688, 23.005

Harmonies

Complementary

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



64, 28.315, 199.358



45, 42.785, 27.420

Rectangle

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



64, 28.315, 199.358



64, 28.315, 249.358



64, 28.315, 19.358



64, 28.315, 69.358

Sweetspot

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



64, 28.315, 199.356



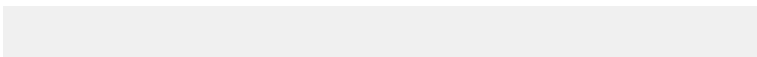
86, 12.659, 200.465



63, 61.526, 140.228



45, 8.485, 200.382



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 28.315, 199.356



80, 38.884, 199.263



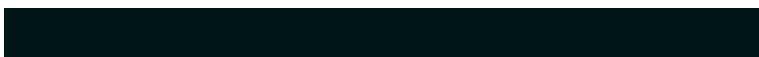
50, 30.934, 268.147



36, 3.527, 200.847



55, 32.838, 199.670



6, 7.562, 202.093

Inverse Universe

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



48, 60.835, 327.871



57, 86.569, 328.357



56, 35.639, 70.161



34, 6.497, 325.490



35, 76.708, 329.072



2, 13.567, 325.277

Previews

White Background



This preview shows how the CIE LCh color 64, 28.315, 199.358 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 64, 28.315, 199.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

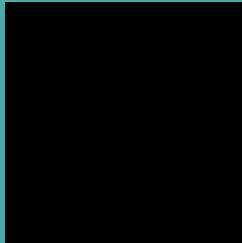
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 28.315, 199.358

Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.315, 199.358.

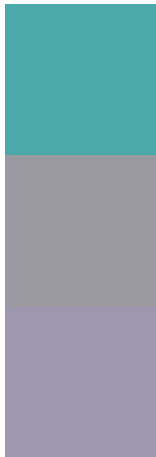


This preview shows how white text looks on a background with the CIELCh color 64, 28.315, 199.358.

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


64, 28.315, 199.358

Protanopia

64, 4.547, 300.210

Deuteranopia

64, 14.418, 304.812



Tritanopia
64, 26.769, 214.528

Trichromacy



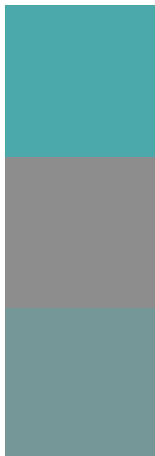
Original Color
64, 28.315, 199.358

Protanomaly
63, 12.082, 214.661

Deuteranomaly
63, 13.362, 244.389

Tritanomaly
64, 27.097, 208.048

Monochromacy



Original Color
64, 28.315, 199.358

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 12.290, 200.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 28.315, 199.358 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(76, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(76, 169, 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(76, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 169, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 28.315, 199.358 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(76, 169, 171) }
```

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

```
.border{ border-color:rgb(76, 169, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 169, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(76, 169,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 28.315, 199.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 169, 171) }
```

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

```
.background{ background-color: rgb(76, 169,  
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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