

Converting Colors

CIELCh(64, 33.897, 198.611)

Have a look what the booklet for
CIELCh(64, 33.897, 198.611)
contains.

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Color

CIELCh(64, 33.811, 198.575)

Conversions

Conversions Part 1

Format	Color
Hex	2DABAD
RGB	45, 171, 173
RGB Percent	18%, 67%, 68%
CMY	0.8221, 0.3285, 0.3207
CMYK	0.74, 0.01, 0.00, 0.32
HSL	181°, 58%, 43%
HSV	181°, 74%, 68%
XYZ	23.2668, 32.8017, 44.7523
YIQ	133.5540, -75.7380, -26.0900

Conversions

Conversions Part 2

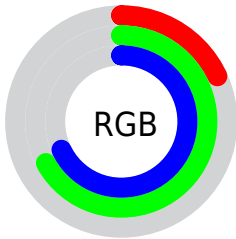
Format	Color
R_{YB}	45, 108, 173
Decimal	2993069
CIE _{Lab}	64.00, -32.05, -10.77
CIE _{LCh}	64, 33.811, 198.575
Yxy	32.8017, 0.2308, 0.3253
Android (android.graphics.Color)	4281183149 (0xFF2DABAD)
YUV	133.5540, 19.4469, -77.6619
Hunter-Lab	57.2727, -27.7125, -6.2376

Details

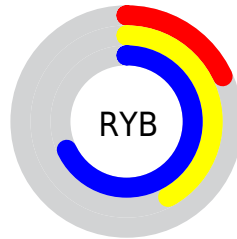
The CIELCh color **64, 33.811, 198.575** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 59.620, 32.030**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 33.922, 198.054**, and **45, 27.923, 200.196** is the 20% darker color. If you saturate the color by 10%, you get **64, 35.449, 198.607**, and if you desaturate by 10%, it is **64, 31.381, 198.630**.

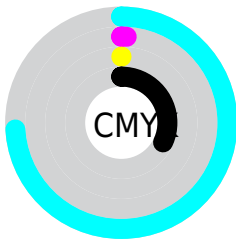
Distribution



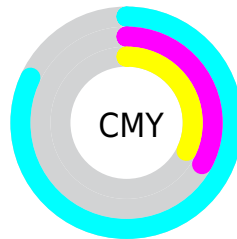
- Red (18%)
- Green (67%)
- Blue (68%)



- Red (18%)
- Yellow (42%)
- Blue (68%)



- Cyan (74%)
- Magenta (1%)
- Yellow (0%)
- Black (32%)





- Cyan (82%)
- Magenta (33%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 33.811, 198.575 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, 33.811, 198.575 by changing the saturation by 10% instead.


 64, 33.811,
198.575


 64, 33.811,
198.575


 100, 33.811,
198.575


 54, 33.811,
198.575


 84, 33.811,
198.575

 44, 33.811,
198.575


 94, 33.811,
198.575

 34, 33.811,
198.575

 24, 33.811,
198.575

 14, 33.811,
198.575

 4, 33.811, 198.575

 0, 33.811, 198.575

■ 64, 33.811,
198.575

■ 64, 33.811,
198.575

■ 64, 35.449,
198.607

■ 64, 31.381,
198.630

■ 63, 36.351,
198.728

■ 65, 28.158,
198.774

■ 63, 36.687,
198.830

■ 66, 24.183,
199.001

■ 67, 19.527,
199.305

■ 68, 14.281,
199.680

■ 69, 8.545, 200.126

■ 70, 2.420, 200.743

■ 72, 4.002, 20.921

Harmonies

Complementary

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



64, 33.811, 198.575



40, 59.620, 32.030

Rectangle

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



64, 33.811, 198.575



64, 33.811, 248.575



64, 33.811, 18.575



64, 33.811, 68.575

Sweetspot

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



64, 33.811, 198.574



86, 16.362, 199.739



62, 78.459, 137.802



45, 10.883, 199.633



95, 0.011, 296.813



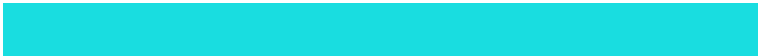
47, 0.006, 296.813

Same Dimension

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



64, 33.811, 198.574



80, 43.836, 198.679



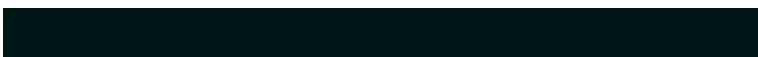
45, 40.014, 272.643



36, 3.546, 200.359



56, 33.080, 198.802



6, 7.622, 201.392

Inverse Universe

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



44, 76.094, 328.359



54, 101.313, 328.730



52, 48.938, 66.047



34, 6.521, 325.342



35, 77.030, 328.851



2, 13.641, 325.058

Previews

White Background



This preview shows how the CIELCh color 64, 33.811, 198.575 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, 33.811, 198.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

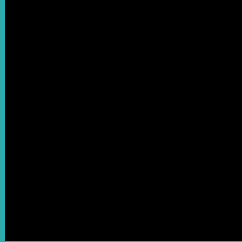
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

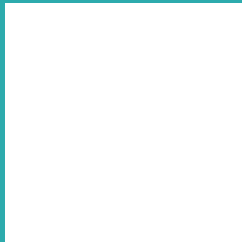
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 33.811, 198.575

Background



This preview shows how black text looks on a background with the CIELCh color 64, 33.811, 198.575.

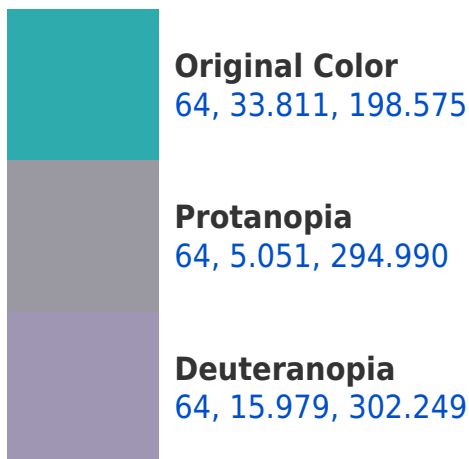


This preview shows how white text looks on a background with the CIELCh color 64, 33.811, 198.575.

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
64, 32.002, 210.198

Trichromacy



Original Color
64, 33.811, 198.575



Protanomaly
63, 16.089, 210.226



Deuteranomaly
63, 16.747, 235.690



Tritanomaly
64, 32.388, 205.874

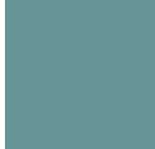
Monochromacy



Original Color
64, 33.811, 198.575



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 16.248, 197.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 33.811, 198.575 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(45, 171, 173)` looks like.

```
.text, #text, p{  
    color:rgb(45, 171, 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(45, 171, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 171, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 33.811, 198.575 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(45, 171, 173) }
```

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

```
.border{ border-color:rgb(45, 171, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 171, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 171, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 171, 173);  
box-shadow:4px 4px 4px 4px rgb(45, 171,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 33.811, 198.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 171, 173) }
```

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

```
.background{ background-color: rgb(45, 171,  
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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