

Converting Colors

CIELCh(64, 31.501, 198.660)

Have a look what the booklet for
CIELCh(64, 31.501, 198.660)
contains.

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Color

CIELCh(64, 31.488, 198.887)

Conversions

Conversions Part 1

Format	Color
Hex	3CAAAC
RGB	60, 170, 172
RGB Percent	24%, 67%, 67%
CMY	0.7635, 0.3323, 0.3245
CMYK	0.65, 0.01, 0.00, 0.32
HSL	181°, 48%, 46%
HSV	181°, 65%, 68%
XYZ	23.7741, 32.8017, 44.2328
YIQ	137.3380, -66.2020, -22.6980

Conversions

Conversions Part 2

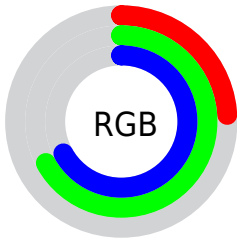
Format	Color
RYB	60, 115, 172
Decimal	3975852
CIELab	64.00, -29.79, -10.19
CIElCh	64, 31.488, 198.887
Yxy	32.8017, 0.2358, 0.3254
Android (android.graphics.Color)	4282165932 (0xFF3CAAAC)
YUV	137.3380, 17.0884, -67.8254
Hunter-Lab	57.2727, -26.1313, -5.6999

Details

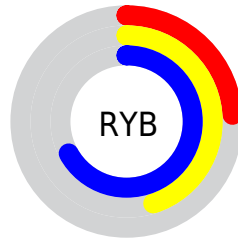
The CIELCh color **64, 31.488, 198.887** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **42, 51.531, 29.521**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 31.718, 198.252**, and **44, 27.750, 200.226** is the 20% darker color. If you saturate the color by 10%, you get **64, 33.807, 198.860**, and if you desaturate by 10%, it is **65, 28.378, 199.002**.

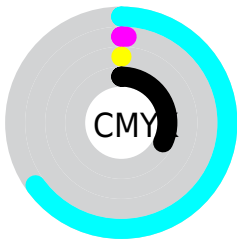
Distribution



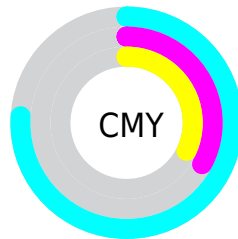
- Red (24%)
- Green (67%)
- Blue (67%)



- Red (24%)
- Yellow (45%)
- Blue (67%)



- Cyan (65%)
- Magenta (1%)
- Yellow (0%)
- Black (32%)




- Cyan (76%)
- Magenta (33%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.488, 198.887 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, 31.488, 198.887 by changing the saturation by 10% instead.

 64, 31.488,
198.887


 64, 31.488,
198.887


 100, 31.488,
198.887


 54, 31.488,
198.887


 84, 31.488,
198.887

 44, 31.488,
198.887

 94, 31.488,
198.887

 34, 31.488,
198.887

 24, 31.488,
198.887

 14, 31.488,
198.887

 4, 31.488, 198.887

 0, 31.488, 198.887

■ 64, 31.488,
198.887

■ 64, 31.488,
198.887

■ 64, 33.807,
198.860

■ 65, 28.378,
199.002

■ 63, 35.342,
198.929

■ 65, 24.514,
199.206

■ 63, 36.154,
199.089

■ 66, 19.964,
199.489

■ 63, 36.423,
199.187

■ 67, 14.818,
199.845

■ 68, 9.173, 200.273

■ 70, 3.130, 200.834

■ 71, 3.219, 21.019

■ 73, 9.789, 21.649

■ 74, 16.510, 22.220

Harmonies

Complementary

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



64, 31.488, 198.887



42, 51.531, 29.521

Rectangle

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



64, 31.488, 198.887



64, 31.488, 248.887



64, 31.488, 18.887



64, 31.488, 68.887

Sweetspot

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



64, 31.488, 198.886



86, 14.238, 200.077



62, 70.535, 139.141



45, 9.700, 199.961



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, 31.488, 198.886



81, 42.126, 198.879



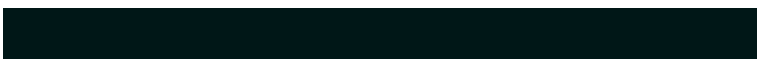
47, 36.180, 271.186



36, 3.538, 200.558



55, 32.980, 199.156



6, 7.598, 201.678

Inverse Universe

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



46, 69.429, 328.143



55, 95.959, 328.584



54, 42.553, 68.880



34, 6.511, 325.402



35, 76.898, 328.941



2, 13.611, 325.148

Previews

White Background



This preview shows how the CIELCh color 64, 31.488, 198.887 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, 31.488, 198.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

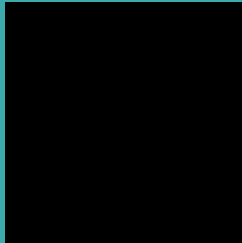
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.488, 198.887

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.488, 198.887.

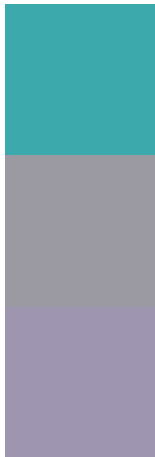


This preview shows how white text looks on a background with the CIELCh color 64, 31.488, 198.887.

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, 31.488, 198.887

Protanopia
64, 5.098, 299.206

Deuteranopia
64, 15.431, 302.596



Tritanopia
64, 29.893, 211.309

Trichromacy



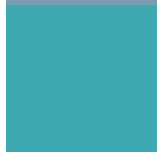
Original Color
64, 31.488, 198.887



Protanomaly
63, 13.742, 214.985



Deuteranomaly
63, 15.328, 239.974

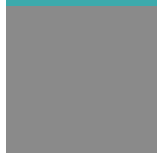


Tritanomaly
64, 30.279, 206.665

Monochromacy



Original Color
64, 31.488, 198.887



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 14.323, 198.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.488, 198.887 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(60, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(60, 170, 172)  
}
```

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(60, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 170, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.488, 198.887 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(60, 170, 172) }
```

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

```
.border{ border-color:rgb(60, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(60, 170,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.488, 198.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 170, 172) }
```

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

```
.background{ background-color: rgb(60, 170,  
172) }
```

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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