

Converting Colors

CIELCh(64, 31.770, 180.335)

Have a look what the booklet for
CIELCh(64, 31.770, 180.335)
contains.

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Color

CIELCh(64, 31.763, 180.301)

Conversions

Conversions Part 1

Format	Color
Hex	4CAA9A
RGB	76, 170, 154
RGB Percent	30%, 67%, 60%
CMY	0.7003, 0.3317, 0.3945
CMYK	0.55, 0.00, 0.09, 0.33
HSL	170°, 38%, 48%
HSV	170°, 55%, 67%
XYZ	23.3309, 32.8017, 35.8452
YIQ	140.0700, -50.8880, -24.9040

Conversions

Conversions Part 2

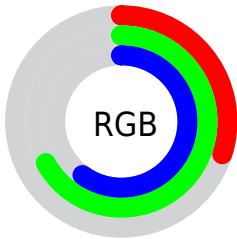
Format	Color
RYB	76, 127, 170
Decimal	5024410
CIELab	64.00, -31.76, -0.17
CIElCh	64, 31.763, 180.301
Yxy	32.8017, 0.2537, 0.3566
Android (android.graphics.Color)	4283214490 (0xFF4CAA9A)
YUV	140.0700, 6.8675, -56.1894
Hunter-Lab	57.2727, -27.5126, 2.9832

Details

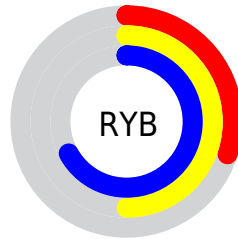
The CIELCh color **64, 31.763, 180.301** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **45, 41.229, 13.493**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 31.863, 179.791**, and **44, 31.492, 180.391** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.788, 179.123**, and if you desaturate by 10%, it is **65, 27.060, 181.385**.

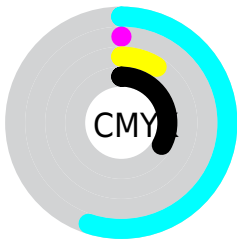
Distribution



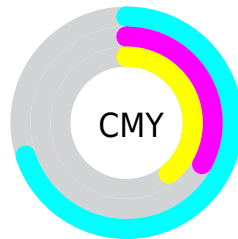
- Red (30%)
- Green (67%)
- Blue (60%)



- Red (30%)
- Yellow (50%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)





- Cyan (70%)
- Magenta (33%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.763, 180.301 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, 31.763, 180.301 by changing the saturation by 10% instead.


 64, 31.763,
180.301


 64, 31.763,
180.301


 100, 31.763,
180.301


 54, 31.763,
180.301


 84, 31.763,
180.301

 44, 31.763,
180.301

 94, 31.763,
180.301

 34, 31.763,
180.301

 24, 31.763,
180.301

 14, 31.763,
180.301

 4, 31.763, 180.301

 0, 31.763, 180.301

64, 31.763,
180.301

64, 31.763,
180.301

63, 35.788,
179.123

65, 27.060,
181.385

63, 39.076,
177.832

66, 21.765,
182.398

63, 41.614,
176.408

67, 15.983,
183.356

62, 43.449,
174.835

68, 9.823, 184.278

62, 44.221,
174.061

69, 3.386, 185.234

70, 3.234, 5.792

72, 9.958, 6.697

74, 16.722, 7.500

75, 23.477, 8.271

Harmonies

Complementary

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



64, 31.763, 180.301



45, 41.229, 13.493

Rectangle

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



64, 31.763, 180.301



64, 31.763, 230.301



64, 31.763, 0.301



64, 31.763, 50.301

Sweetspot

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



64, 31.763, 180.300



86, 13.611, 184.081



63, 58.547, 136.009



45, 9.143, 183.903



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, 31.763, 180.300



81, 44.463, 178.870



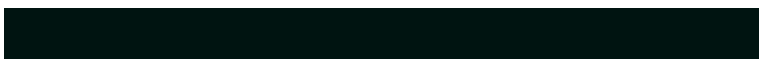
56, 24.981, 241.605



35, 3.667, 184.820



55, 39.752, 174.273



5, 6.943, 181.340

Inverse Universe

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



45, 41.229, 13.493



54, 61.186, 16.919



51, 35.426, 50.541



33, 3.813, 6.297



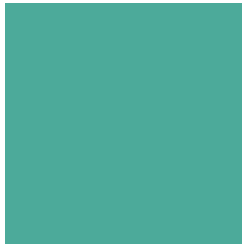
30, 62.538, 30.576



1, 6.738, 7.398

Previews

White Background



This preview shows how the CIELCh color 64, 31.763, 180.301 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, 31.763, 180.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

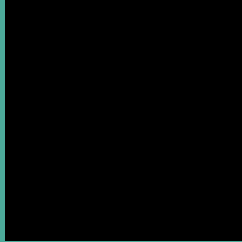
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.763, 180.301

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.763, 180.301.

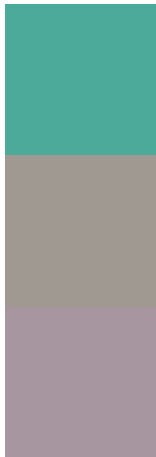


This preview shows how white text looks on a background with the CIELCh color 64, 31.763, 180.301.

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, 31.763, 180.301

Protanopia
64, 5.026, 81.598

Deuteranopia
64, 8.917, 341.580



Tritanopia
64, 25.687, 214.014

Trichromacy



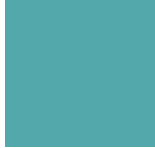
Original Color
64, 31.763, 180.301



Protanomaly
63, 12.917, 169.800



Deuteranomaly
63, 8.480, 198.692



Tritanomaly
64, 26.712, 200.836

Monochromacy



Original Color
64, 31.763, 180.301



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 13.088, 183.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.763, 180.301 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, 170, 154)` looks like.

```
.text, #text, p{  
    color:rgb(76, 170, 154)  
}
```

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, 170, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 170, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.763, 180.301 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, 170, 154) }
```

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

```
.border{ border-color:rgb(76, 170, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 170, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 170, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 170, 154);  
box-shadow:4px 4px 4px 4px rgb(76, 170,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.763, 180.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 170, 154) }
```

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

```
.background{ background-color: rgb(76, 170,  
154) }
```

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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