

Converting Colors

CIELCh(64, 31.303, 176.843)

Have a look what the booklet for
CIELCh(64, 31.303, 176.843)
contains.

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Color

CIELCh(64, 31.237, 176.841)

Conversions

Conversions Part 1

Format	Color
Hex	52AA97
RGB	82, 170, 151
RGB Percent	32%, 67%, 59%
CMY	0.6782, 0.3331, 0.4076
CMYK	0.52, 0.00, 0.11, 0.33
HSL	167°, 35%, 49%
HSV	167°, 52%, 67%
XYZ	23.4593, 32.8017, 34.3949
YIQ	141.5220, -46.3490, -24.5650

Conversions

Conversions Part 2

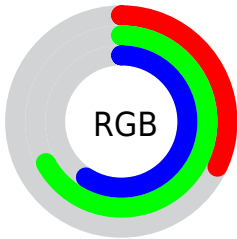
Format	Color
RYB	82, 131, 170
Decimal	5417623
CIELab	64.00, -31.19, 1.72
CIElCh	64, 31.237, 176.841
Yxy	32.8017, 0.2588, 0.3618
Android (android.graphics.Color)	4283607703 (0xFF52AA97)
YUV	141.5220, 4.6727, -52.2008
Hunter-Lab	57.2727, -27.1126, 4.4846

Details

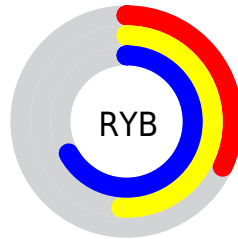
The CIELCh color **64, 31.237, 176.841** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 38.526, 9.212**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 31.313, 176.461**, and **44, 31.205, 176.824** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.788, 175.569**, and if you desaturate by 10%, it is **65, 26.061, 178.002**.

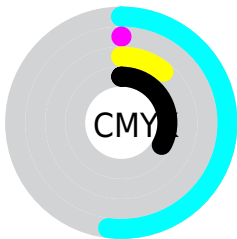
Distribution



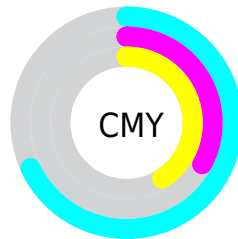
- Red (32%)
- Green (67%)
- Blue (59%)



- Red (32%)
- Yellow (51%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)





- Cyan (68%)
- Magenta (33%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.237, 176.841 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, 31.237, 176.841 by changing the saturation by 10% instead.


 64, 31.237,
176.841


 64, 31.237,
176.841


 100, 31.237,
176.841


 54, 31.237,
176.841


 84, 31.237,
176.841

 44, 31.237,
176.841

 94, 31.237,
176.841

 34, 31.237,
176.841

 24, 31.237,
176.841

 14, 31.237,
176.841

 4, 31.237, 176.841

 0, 31.237, 176.841

64, 31.237,
176.841

64, 31.237,
176.841

63, 35.788,
175.569

65, 26.061,
178.002

63, 39.638,
174.167

66, 20.359,
179.078

62, 42.753,
172.611

67, 14.239,
180.086

62, 45.153,
170.886

68, 7.809, 181.053

62, 46.762,
169.388

69, 1.170, 182.271

71, 5.592, 2.660

72, 12.405, 3.522

74, 19.212, 4.323

76, 25.970, 5.089

Harmonies

Complementary

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



64, 31.237, 176.841



46, 38.526, 9.212

Rectangle

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



64, 31.237, 176.841



64, 31.237, 226.841



64, 31.237, 356.841



64, 31.237, 46.841

Sweetspot

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



64, 31.237, 176.840



86, 13.123, 180.616



63, 54.603, 135.404



46, 8.904, 180.424



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, 31.237, 176.840



81, 44.338, 175.384



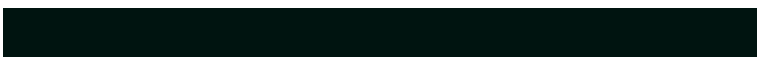
57, 23.427, 235.727



35, 3.742, 181.292



54, 42.072, 169.626



5, 7.129, 177.364

Inverse Universe

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



46, 38.526, 9.212



55, 57.246, 12.122



51, 33.171, 47.446



33, 3.873, 2.833



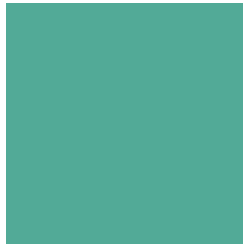
30, 60.757, 27.156



1, 6.831, 4.331

Previews

White Background



This preview shows how the CIELCh color 64, 31.237, 176.841 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, 31.237, 176.841 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, 31.237, 176.841

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.237, 176.841.

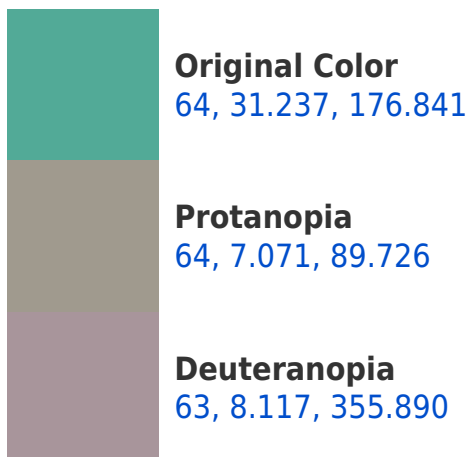


This preview shows how white text looks on a background with the CIELCh color 64, 31.237, 176.841.

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, 24.135, 215.236

Trichromacy



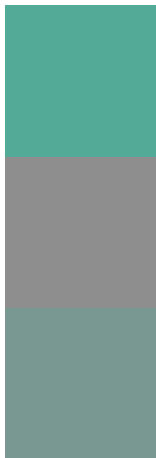
Original Color
64, 31.237, 176.841

Protanomaly
63, 13.632, 160.349

Deuteranomaly
63, 7.694, 186.139

Tritanomaly
64, 25.158, 199.882

Monochromacy



Original Color
64, 31.237, 176.841

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 12.617, 179.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.237, 176.841 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(82, 170, 151)` looks like.

```
.text, #text, p{  
    color:rgb(82, 170, 151)  
}
```

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(82, 170, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 170, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.237, 176.841 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(82, 170, 151) }
```

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

```
.border{ border-color:rgb(82, 170, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 170, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 170, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 170, 151);  
box-shadow:4px 4px 4px 4px rgb(82, 170,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.237, 176.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 170, 151) }
```

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

```
.background{ background-color: rgb(82, 170,  
151) }
```

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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