

Converting Colors

CIELCh(64, 28.690, 176.904)

Have a look what the booklet for
CIELCh(64, 28.690, 176.904)
contains.

CIELCh(64, 28.833, 176.487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 28.833, 176.487)

Conversions

Conversions Part 1

Format	Color
Hex	5AA997
RGB	90, 169, 151
RGB Percent	35%, 66%, 59%
CMY	0.6469, 0.3371, 0.4077
CMYK	0.47, 0.00, 0.11, 0.34
HSL	166°, 31%, 51%
HSV	166°, 47%, 66%
XYZ	24.0044, 32.8017, 34.3605
YIQ	143.3270, -41.3060, -22.3460

Conversions

Conversions Part 2

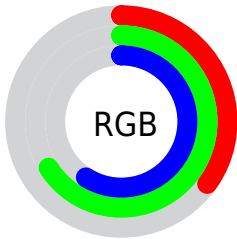
Format	Color
RYB	90, 135, 169
Decimal	5941655
CIELab	64.00, -28.78, 1.77
CIElCh	64, 28.833, 176.487
Yxy	32.8017, 0.2633, 0.3598
Android (android.graphics.Color)	4284131735 (0xFF5AA997)
YUV	143.3270, 3.7828, -46.7678
Hunter-Lab	57.2727, -25.4136, 4.5202

Details

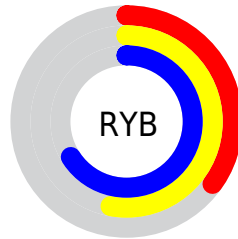
The CIELCh color **64, 28.833, 176.487** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 34.550, 7.248**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.974, 175.986**, and **44, 28.676, 176.586** is the 20% darker color. If you saturate the color by 10%, you get **63, 33.763, 175.248**, and if you desaturate by 10%, it is **65, 23.336, 177.621**.

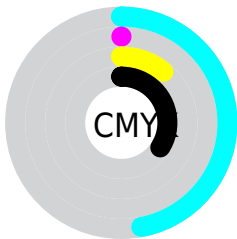
Distribution



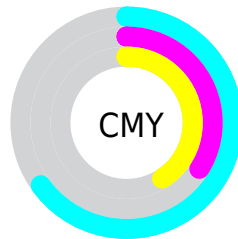
- Red (35%)
- Green (66%)
- Blue (59%)



- Red (35%)
- Yellow (53%)
- Blue (66%)



- Cyan (47%)
- Magenta (0%)
- Yellow (11%)
- Black (34%)



- Cyan (65%)
- Magenta (34%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 28.833, 176.487 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, 28.833, 176.487 by changing the saturation by 10% instead.

 64, 28.833,
176.487

 64, 28.833,
176.487

 100, 28.833,
176.487

 54, 28.833,
176.487


 84, 28.833,
176.487

 44, 28.833,
176.487

 94, 28.833,
176.487

 34, 28.833,
176.487

 24, 28.833,
176.487

 14, 28.833,
176.487

 4, 28.833, 176.487

 0, 28.833, 176.487

■ 64, 28.833,
176.487

■ 64, 28.833,
176.487

■ 63, 33.763,
175.248

■ 65, 23.336,
177.621

■ 63, 38.035,
173.885

■ 66, 17.377,
178.675

■ 62, 41.592,
172.375

■ 67, 11.066,
179.669

■ 62, 44.422,
170.696

■ 68, 4.506, 180.650

■ 62, 46.600,
168.853

■ 70, 2.208, 1.228

■ 71, 8.999, 2.216

■ 62, 47.262,
168.256

■ 73, 15.804, 3.041

■ 75, 22.573, 3.822

■ 77, 29.269, 4.572

Harmonies

Complementary

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



64, 28.833, 176.487



48, 34.550, 7.248

Rectangle

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



64, 28.833, 176.487



64, 28.833, 226.487



64, 28.833, 356.487



64, 28.833, 46.487

Sweetspot

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



64, 28.834, 176.485



85, 11.480, 179.910



64, 49.137, 135.283



45, 7.891, 179.709



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 28.834, 176.485



80, 41.143, 175.213



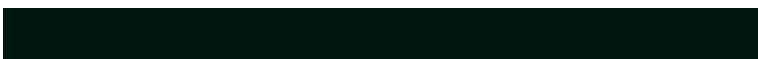
58, 21.452, 232.247



35, 3.764, 180.393



54, 42.708, 168.490



5, 7.181, 176.385

Inverse Universe

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



48, 34.550, 7.248



57, 51.344, 9.539



52, 29.445, 45.887



33, 3.891, 1.945



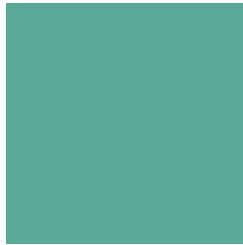
30, 60.322, 26.202



1, 6.858, 3.543

Previews

White Background



This preview shows how the CIELCh color 64, 28.833, 176.487 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, 28.833, 176.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

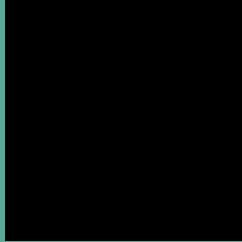
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 28.833, 176.487

Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.833, 176.487.

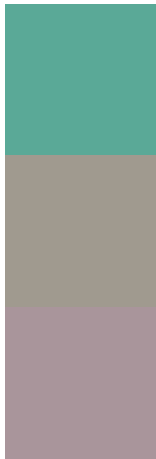


This preview shows how white text looks on a background with the CIELCh color 64, 28.833, 176.487.

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, 28.833, 176.487

Protanopia
64, 6.547, 88.190

Deuteranopia
64, 8.477, 357.035



Tritanopia
64, 22.254, 216.933

Trichromacy



Original Color
64, 28.833, 176.487

Protanomaly
63, 11.752, 160.272

Deuteranomaly
63, 6.133, 188.389

Tritanomaly
64, 23.157, 200.260

Monochromacy



Original Color
64, 28.833, 176.487

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 11.062, 180.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 28.833, 176.487 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(90, 169, 151)` looks like.

```
.text, #text, p{  
    color:rgb(90, 169, 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(90, 169, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 169, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 28.833, 176.487 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(90, 169, 151) }
```

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

```
.border{ border-color:rgb(90, 169, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 169, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 169, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 169, 151);  
box-shadow:4px 4px 4px 4px rgb(90, 169,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 28.833, 176.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 169, 151) }
```

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

```
.background{ background-color: rgb(90, 169,  
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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