

Converting Colors

CIELCh(64, 47.853, 166.459)

Have a look what the booklet for
CIELCh(64, 47.853, 166.459)
contains.

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Color

CIELCh(64, 47.517, 166.838)

Conversions

Conversions Part 1

Format	Color
Hex	1DAF86
RGB	29, 175, 134
RGB Percent	11%, 69%, 53%
CMY	0.8870, 0.3122, 0.4731
CMYK	0.84, 0.00, 0.23, 0.31
HSL	163°, 72%, 40%
HSV	163°, 84%, 69%
XYZ	20.2357, 32.8017, 27.9525
YIQ	126.6720, -73.8550, -43.7030

Conversions

Conversions Part 2

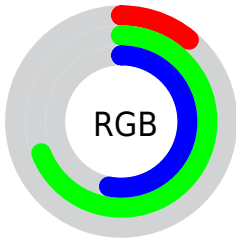
Format	Color
R_{YB}	29, 114, 175
Decimal	1945478
CIE _{Lab}	64.00, -46.27, 10.82
CIE _{LCh}	64, 47.517, 166.838
Yxy	32.8017, 0.2499, 0.4050
Android (android.graphics.Color)	4280135558 (0xFF1DAF86)
YUV	126.6720, 3.6127, -85.6583
Hunter-Lab	57.2727, -37.1594, 11.1538

Details

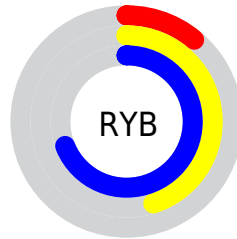
The CIELCh color **64, 47.517, 166.838** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **39, 60.150, 14.463**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 47.238, 166.834**, and **45, 40.430, 162.270** is the 20% darker color. If you saturate the color by 10%, you get **64, 50.349, 164.876**, and if you desaturate by 10%, it is **64, 43.974, 168.606**.

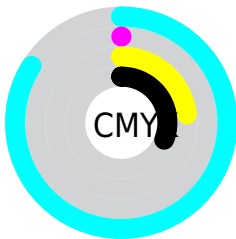
Distribution



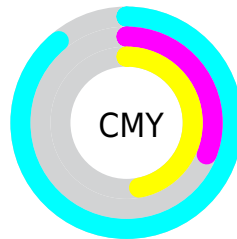
- Red (11%)
- Green (69%)
- Blue (53%)



- Red (11%)
- Yellow (45%)
- Blue (69%)



- Cyan (84%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.517, 166.838 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, 47.517, 166.838 by changing the saturation by 10% instead.

 64, 47.517,
166.838


 64, 47.517,
166.838


 100, 47.517,
166.838


 54, 47.517,
166.838

 84, 47.517,
166.838

 44, 47.517,
166.838


 94, 47.517,
166.838

 34, 47.517,
166.838

 24, 47.517,
166.838

 14, 47.517,
166.838

 4, 47.517, 166.838

 0, 47.517, 166.838

■ 64, 47.517,
166.838

■ 64, 47.517,
166.838

■ 64, 50.349,
164.876

■ 64, 43.974,
168.606

■ 64, 51.941,
163.580

■ 65, 39.691,
170.192

■ 66, 34.703,
171.617

■ 66, 29.087,
172.902

■ 67, 22.947,
174.074

■ 68, 16.401,
175.154

■ 70, 9.561, 176.166

■ 71, 2.533, 177.222

Harmonies

Complementary

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



64, 47.517, 166.838



39, 60.150, 14.463

Rectangle

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



64, 47.517, 166.838



64, 47.517, 216.838



64, 47.517, 346.838



64, 47.517, 36.838

Sweetspot

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



64, 47.517, 166.837



86, 21.388, 174.959



64, 80.671, 132.686



46, 14.624, 174.592



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 47.517, 166.837



80, 63.355, 163.184



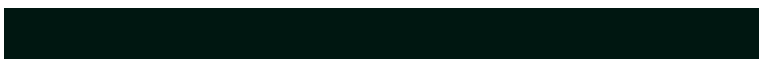
55, 31.670, 232.945



36, 3.966, 176.591



55, 46.194, 163.864



6, 8.894, 171.468

Inverse Universe

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



39, 60.150, 14.463



48, 81.529, 23.740



42, 62.453, 43.499



34, 4.080, 358.178



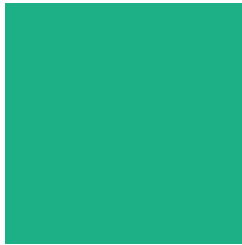
31, 59.406, 21.893



2, 8.253, 1.114

Previews

White Background



This preview shows how the CIELCh color 64, 47.517, 166.838 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 CIE LCh color 64, 47.517, 166.838 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, 47.517, 166.838

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.517, 166.838.

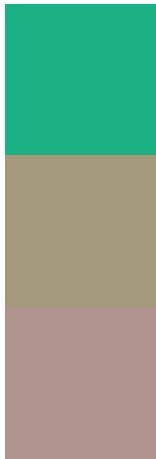


This preview shows how white text looks on a background with the CIELCh color 64, 47.517, 166.838.

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, 47.437, 166.793

Protanopia
64, 17.048, 95.697

Deuteranopia
63, 11.463, 42.995



Tritanopia
64, 30.537, 212.069

Trichromacy



Original Color
64, 47.437, 166.793



Protanomaly
62, 26.543, 151.629



Deuteranomaly
62, 18.097, 159.550



Tritanomaly
64, 34.520, 190.927

Monochromacy



Original Color
64, 47.437, 166.793



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 21.616, 173.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.517, 166.838 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(29, 175, 134)` looks like.

```
.text, #text, p{  
    color:rgb(29, 175, 134)  
}
```

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(29, 175, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 175, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.517, 166.838 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(29, 175, 134) }
```

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

```
.border{ border-color:rgb(29, 175, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 175, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 175, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 175, 134);  
box-shadow:4px 4px 4px 4px rgb(29, 175,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.517, 166.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 175, 134) }
```

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

```
.background{ background-color: rgb(29, 175,  
134) }
```

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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