

Converting Colors

CIELCh(64, 46.832, 170.925)

Have a look what the booklet for
CIELCh(64, 46.832, 170.925)
contains.

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Color

CIELCh(64, 46.893, 170.997)

Conversions

Conversions Part 1

Format	Color
Hex	00B08D
RGB	0, 176, 141
RGB Percent	0%, 69%, 55%
CMY	0.9989, 0.3114, 0.4486
CMYK	1.00, 0.00, 0.20, 0.31
HSL	168°, 100%, 34%
HSV	168°, 100%, 69%
XYZ	20.2262, 32.8017, 30.3130
YIQ	119.3860, -93.6610, -48.1970

Conversions

Conversions Part 2

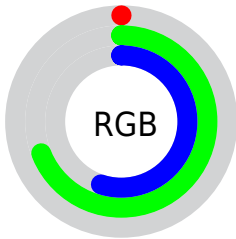
Format	Color
RYB	0, 98, 176
Decimal	45197
CIELab	64.00, -46.32, 7.34
CIELCh	64, 46.893, 170.997
Yxy	32.8017, 0.2427, 0.3936
Android (android.graphics.Color)	4278235277 (0xFF00B08D)
YUV	119.3860, 10.6557, -104.7015
Hunter-Lab	57.2727, -37.1889, 8.7102

Details

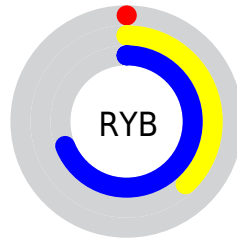
The CIELCh color **64, 46.893, 170.997** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **37, 70.055, 29.195**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 46.986, 171.012**, and **45, 38.176, 166.511** is the 20% darker color. If you saturate the color by 10%, you get **64, 46.922, 170.969**, and if you desaturate by 10%, it is **64, 45.009, 172.751**.

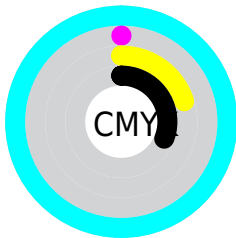
Distribution



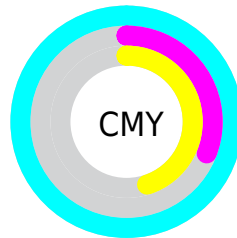
- Red (0%)
- Green (69%)
- Blue (55%)



- Red (0%)
- Yellow (38%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 46.893, 170.997 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, 46.893, 170.997 by changing the saturation by 10% instead.


 64, 46.893,
170.997

 64, 46.893,
170.997


 100, 46.893,
170.997


 54, 46.893,
170.997


 84, 46.893,
170.997

 44, 46.893,
170.997

 94, 46.893,
170.997

 34, 46.893,
170.997

 24, 46.893,
170.997

 14, 46.893,
170.997

 4, 46.893, 170.997

 0, 46.893, 170.997

■ 64, 46.893,
170.997

■ 64, 46.893,
170.997

■ 64, 46.922,
170.969

■ 64, 45.009,
172.751

■ 64, 42.553,
174.386

■ 65, 39.348,
175.860

■ 65, 35.384,
177.192

■ 66, 30.702,
178.404

■ 67, 25.385,
179.520

■ 68, 19.534,
180.559

■ 69, 13.263,

181.540

■ 70, 6.681, 182.493

Harmonies

Complementary

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



64, 46.893, 170.997



37, 70.055, 29.195

Rectangle

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



64, 46.893, 170.997



64, 46.893, 220.997



64, 46.893, 350.997



64, 46.893, 40.997

Sweetspot

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



64, 46.893, 170.996



86, 24.372, 180.490



63, 88.805, 134.616



45, 16.437, 180.069



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, 46.893, 170.996



82, 57.579, 170.614



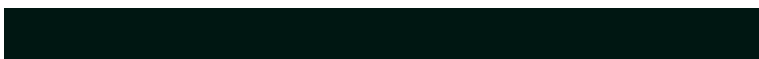
49, 36.917, 255.838



36, 3.806, 182.546



55, 41.746, 171.217



6, 8.427, 177.949

Inverse Universe

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



37, 70.055, 29.195



48, 86.476, 30.315



41, 71.262, 47.551



34, 3.947, 4.075



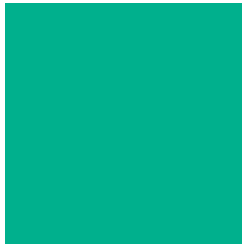
31, 62.198, 28.523



2, 8.041, 6.131

Previews

White Background



This preview shows how the CIELCh color 64, 46.893, 170.997 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, 46.893, 170.997 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, 46.893, 170.997

Background



This preview shows how black text looks on a background with the CIELCh color 64, 46.893, 170.997.

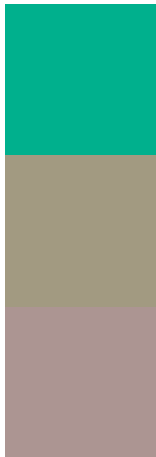


This preview shows how white text looks on a background with the CIELCh color 64, 46.893, 170.997.

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, 46.967, 171.031

Protanopia
64, 14.254, 95.344

Deuteranopia
64, 9.323, 30.468



Tritanopia
64, 31.866, 211.328

Trichromacy



Original Color
64, 46.967, 171.031



Protanomaly
62, 27.375, 160.655



Deuteranomaly
62, 19.923, 172.556

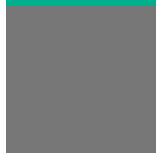


Tritanomaly
64, 36.067, 192.867

Monochromacy



Original Color
64, 46.967, 171.031



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 23.882, 178.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 46.893, 170.997 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(0, 176, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 141)  
}
```

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(0, 176, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 46.893, 170.997 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(0, 176, 141) }
```

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

```
.border{ border-color:rgb(0, 176, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 46.893, 170.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 141) }
```

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

```
.background{ background-color: rgb(0, 176,  
141) }
```

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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