

Converting Colors

CIELCh(60, 78.865, 186.484)

Have a look what the booklet for
CIELCh(60, 78.865, 186.484)
contains.

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Color

CIELCh(64, 41.356, 182.687)

Conversions

Conversions Part 1

Format	Color
Hex	00AE9D
RGB	0, 174, 157
RGB Percent	0%, 68%, 62%
CMY	1.0000, 0.3166, 0.3831
CMYK	1.00, 0.00, 0.10, 0.32
HSL	174°, 100%, 34%
HSV	174°, 100%, 68%
XYZ	21.2607, 32.8017, 37.2428
YIQ	120.0360, -98.2470, -42.1750

Conversions

Conversions Part 2

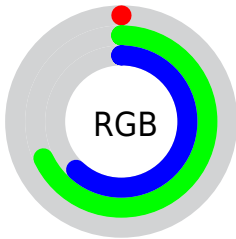
Format	Color
RYB	0, 91, 174
Decimal	44701
CIELab	64.00, -41.31, -1.94
CIELCh	64, 41.356, 182.687
Yxy	32.8017, 0.2329, 0.3593
Android (android.graphics.Color)	4278234781 (0xFF00AE9D)
YUV	120.0360, 18.2233, -105.2716
Hunter-Lab	57.2727, -33.9648, 1.5364

Details

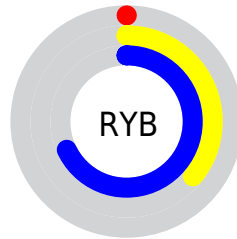
The CIELCh color **64, 41.356, 182.687** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 74.490, 35.782**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 41.274, 182.475**, and **45, 32.431, 179.829** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.240, 182.658**, and if you desaturate by 10%, it is **64, 40.097, 183.761**.

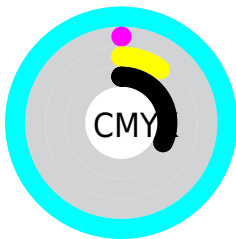
Distribution



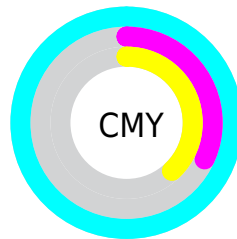
- Red (0%)
- Green (68%)
- Blue (62%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 41.356, 182.687 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, 41.356, 182.687 by changing the saturation by 10% instead.

 64, 41.356,
182.687

 64, 41.356,
182.687


 100, 41.356,
182.687


 54, 41.356,
182.687


 84, 41.356,
182.687

 44, 41.356,
182.687

 94, 41.356,
182.687

 34, 41.356,
182.687

 24, 41.356,
182.687

 14, 41.356,
182.687

 4, 41.356, 182.687

 0, 41.356, 182.687

■ 64, 41.356,
182.687

■ 64, 41.356,
182.687

■ 64, 41.240,
182.658

■ 64, 40.097,
183.761

■ 64, 38.376,
184.796

■ 65, 35.888,
185.751

■ 65, 32.611,
186.643

■ 66, 28.575,
187.488

■ 67, 23.848,
188.302

■ 68, 18.521,
189.096

■ 69, 12.700,

189.881

■ 70, 6.492, 190.679

Harmonies

Complementary

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



64, 41.356, 182.687



36, 74.490, 35.782

Rectangle

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



64, 41.356, 182.687



64, 41.356, 232.687



64, 41.356, 2.687



64, 41.356, 52.687

Sweetspot

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



64, 41.240, 182.658



86, 22.920, 189.054



62, 89.439, 135.529



45, 15.548, 188.728



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, 41.240, 182.658



81, 50.332, 182.438



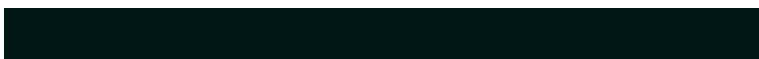
43, 44.140, 272.112



36, 3.665, 190.738



56, 36.963, 182.803



6, 7.979, 188.022

Inverse Universe

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



36, 74.490, 35.782



47, 91.580, 36.560



43, 67.186, 53.306



34, 3.843, 12.046



31, 66.423, 35.227



2, 7.866, 12.824

Previews

White Background



This preview shows how the CIELCh color 64, 41.356, 182.687 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, 41.356, 182.687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

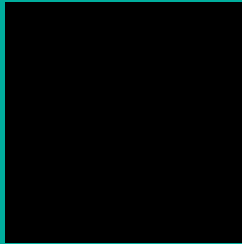
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 41.356, 182.687

Background



This preview shows how black text looks on a background with the CIELCh color 64, 41.356, 182.687.

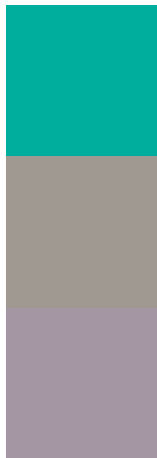


This preview shows how white text looks on a background with the CIELCh color 64, 41.356, 182.687.

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, 41.205, 182.621

Protanopia

64, 4.539, 78.406

Deuteranopia

64, 9.270, 328.806



Tritanopia
64, 32.954, 210.767

Trichromacy



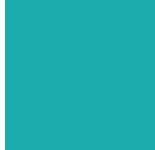
Original Color
64, 41.205, 182.621



Protanomaly
62, 22.079, 181.135



Deuteranomaly
62, 18.475, 201.326



Tritanomaly
64, 35.666, 198.344

Monochromacy



Original Color
64, 41.205, 182.621



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 22.303, 188.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 41.356, 182.687 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, 174, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 157)  
}
```

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, 174, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 41.356, 182.687 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, 174, 157) }
```

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

```
.border{ border-color:rgb(0, 174, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 41.356, 182.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 157) }
```

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

```
.background{ background-color: rgb(0, 174,  
157) }
```

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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