

Converting Colors

CIELCh(63, 43.787, 188.875)

Have a look what the booklet for
CIELCh(63, 43.787, 188.875)
contains.

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Color

CIELCh(64, 39.348, 187.949)

Conversions

Conversions Part 1

Format	Color
Hex	03AEA4
RGB	3, 174, 164
RGB Percent	1%, 68%, 64%
CMY	0.9895, 0.3192, 0.3585
CMYK	0.98, 0.00, 0.06, 0.32
HSL	176°, 97%, 35%
HSV	176°, 98%, 68%
XYZ	21.7564, 32.8017, 40.1114
YIQ	121.7310, -98.7060, -39.3620

Conversions

Conversions Part 2

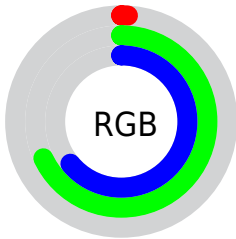
Format	Color
RYB	3, 91, 174
Decimal	241316
CIELab	64.00, -38.97, -5.44
CIELCh	64, 39.348, 187.949
Yxy	32.8017, 0.2298, 0.3465
Android (android.graphics.Color)	4278431396 (0xFF03AEA4)
YUV	121.7310, 20.8386, -104.1271
Hunter-Lab	57.2727, -32.4200, -1.4333

Details

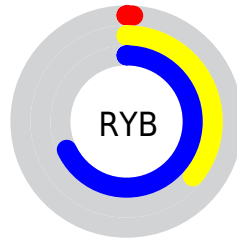
The CIELCh color **64, 39.348, 187.949** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 75.087, 37.121**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 39.248, 188.207**, and **45, 30.757, 185.998** is the 20% darker color. If you saturate the color by 10%, you get **64, 39.482, 187.835**, and if you desaturate by 10%, it is **64, 38.378, 188.683**.

Distribution



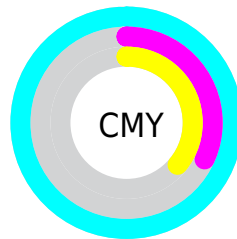
- Red (1%)
- Green (68%)
- Blue (64%)



- Red (1%)
- Yellow (36%)
- Blue (68%)



- Cyan (98%)
- Magenta (0%)
- Yellow (6%)
- Black (32%)




- Cyan (99%)
- Magenta (32%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 39.348, 187.949 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, 39.348, 187.949 by changing the saturation by 10% instead.

 64, 39.348,
187.949


 64, 39.348,
187.949


 100, 39.348,
187.949


 54, 39.348,
187.949


 84, 39.348,
187.949

 44, 39.348,
187.949

 94, 39.348,
187.949

 34, 39.348,
187.949

 24, 39.348,
187.949

 14, 39.348,
187.949

 4, 39.348, 187.949

 0, 39.348, 187.949

■ 64, 39.348,
187.949

■ 64, 39.348,
187.949

■ 64, 39.482,
187.835

■ 64, 38.378,
188.683

■ 64, 36.766,
189.381

■ 65, 34.376,
190.050

■ 65, 31.193,
190.702

■ 66, 27.245,
191.348

■ 67, 22.600,
191.998

■ 68, 17.348,
192.658

■ 69, 11.593,

193.335

■ 70, 5.439, 194.055

Harmonies

Complementary

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



64, 39.348, 187.949



36, 75.087, 37.121

Rectangle

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



64, 39.348, 187.949



64, 39.348, 237.949



64, 39.348, 7.949



64, 39.348, 57.949

Sweetspot

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



64, 39.348, 187.948



86, 22.583, 192.520



62, 89.024, 135.776



45, 15.302, 192.247



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, 39.348, 187.948



82, 48.281, 187.690



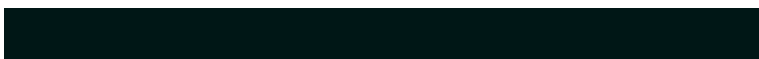
41, 46.406, 275.770



36, 3.632, 193.989



56, 35.510, 187.928



6, 7.873, 192.378

Inverse Universe

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



36, 75.087, 37.121



47, 93.427, 38.160



45, 64.950, 55.874



34, 3.824, 15.165



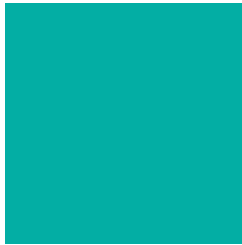
31, 67.877, 37.058



2, 7.828, 15.432

Previews

White Background



This preview shows how the CIELCh color 64, 39.348, 187.949 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, 39.348, 187.949 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, 39.348, 187.949

Background



This preview shows how black text looks on a background with the CIELCh color 64, 39.348, 187.949.

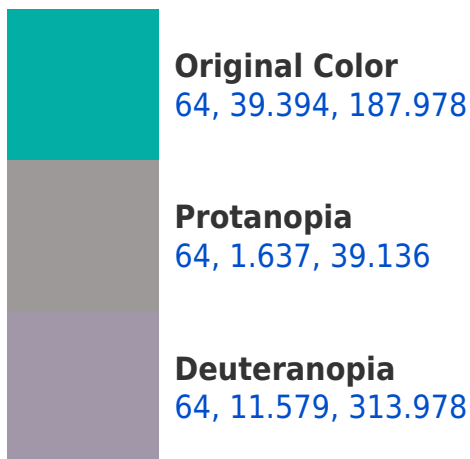



This preview shows how white text looks on a background with the CIELCh color 64, 39.348, 187.949.

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, 33.568, 209.453

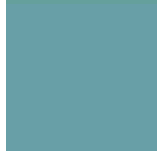
Trichromacy



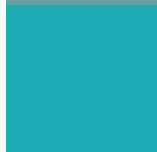
Original Color
64, 39.394, 187.978



Protanomaly
62, 20.497, 191.267



Deuteranomaly
62, 18.788, 211.822

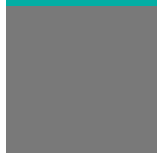


Tritanomaly
64, 35.462, 201.141

Monochromacy



Original Color
64, 39.394, 187.978



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 21.428, 191.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 39.348, 187.949 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(3, 174, 164)` looks like.

```
.text, #text, p{  
    color:rgb(3, 174, 164)  
}
```

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(3, 174, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 174, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 39.348, 187.949 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(3, 174, 164) }
```

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

```
.border{ border-color:rgb(3, 174, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 174, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 174, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 174, 164);  
box-shadow:4px 4px 4px 4px rgb(3, 174,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 39.348, 187.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 174, 164) }
```

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

```
.background{ background-color: rgb(3, 174,  
164) }
```

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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