

Converting Colors

CIELCh(64, 36.581, 201.949)

Have a look what the booklet for
CIELCh(64, 36.581, 201.949)
contains.

CIELCh(64, 36.539, 201.826)	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, 36.539, 201.826)

Conversions

Conversions Part 1

Format	Color
Hex	01ACB2
RGB	1, 172, 178
RGB Percent	0%, 67%, 70%
CMY	0.9965, 0.3248, 0.3012
CMYK	1.00, 0.03, 0.00, 0.30
HSL	182°, 99%, 35%
HSV	182°, 100%, 70%
XYZ	22.8520, 32.8017, 47.3417
YIQ	121.5550, -103.8420, -34.3860

Conversions

Conversions Part 2

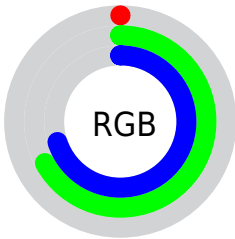
Format	Color
RYB	1, 88, 178
Decimal	109746
CIELab	64.00, -33.92, -13.58
CIELCh	64, 36.539, 201.826
Yxy	32.8017, 0.2219, 0.3185
Android (android.graphics.Color)	4278299826 (0xFF01ACB2)
YUV	121.5550, 27.8274, -105.7267
Hunter-Lab	57.2727, -29.0054, -8.9183

Details

The CIELCh color **64, 36.539, 201.826** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 79.119, 40.205**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 36.461, 202.071**, and **45, 27.770, 204.050** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.561, 201.847**, and if you desaturate by 10%, it is **64, 36.003, 201.397**.

Distribution



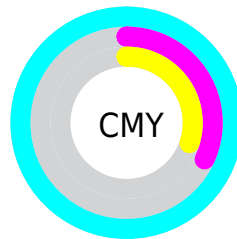
- Red (0%)
- Green (67%)
- Blue (70%)



- Red (0%)
- Yellow (35%)
- Blue (70%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (32%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.539, 201.826 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, 36.539, 201.826 by changing the saturation by 10% instead.

 64, 36.539,
201.826

 64, 36.539,
201.826


 100, 36.539,
201.826


 54, 36.539,
201.826


 84, 36.539,
201.826

 44, 36.539,
201.826

 94, 36.539,
201.826

 34, 36.539,
201.826

 24, 36.539,
201.826

 14, 36.539,
201.826

 4, 36.539, 201.826

 0, 36.539, 201.826

■ 64, 36.539,
201.826

■ 64, 36.539,
201.826

■ 64, 36.561,
201.847

■ 64, 36.003,
201.397

■ 65, 34.853,
201.078

■ 65, 32.917,
200.889

■ 66, 30.166,
200.823

■ 67, 26.621,
200.870

■ 68, 22.339,
201.020

■ 69, 17.404,
201.262

■ 70, 11.916,

201.586

■ 71, 5.975, 202.003

Harmonies

Complementary

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



64, 36.539, 201.826



37, 79.119, 40.205

Rectangle

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



64, 36.539, 201.826



64, 36.539, 251.826



64, 36.539, 21.826



64, 36.539, 71.826

Sweetspot

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



64, 36.538, 201.825



87, 21.848, 201.233



63, 90.787, 136.317



46, 14.773, 201.126



96, 0.011, 296.813



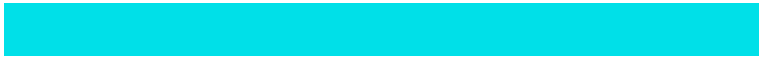
49, 0.007, 296.813

Same Dimension

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



64, 36.538, 201.825



81, 44.518, 201.946



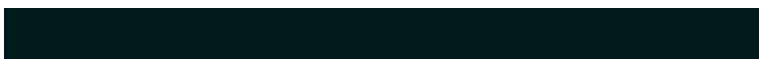
37, 58.480, 286.854



37, 3.567, 202.012



56, 32.693, 201.778



7, 8.682, 203.658

Inverse Universe

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



42, 85.920, 329.610



55, 104.756, 329.644



49, 64.080, 63.622



35, 6.597, 325.845



36, 76.893, 329.602



3, 15.699, 325.850

Previews

White Background



This preview shows how the CIELCh color 64, 36.539, 201.826 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, 36.539, 201.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

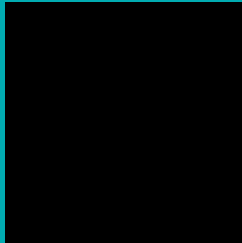
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

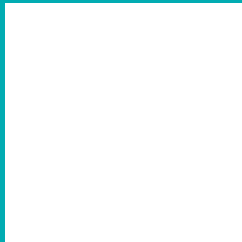
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 36.539, 201.826

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.539, 201.826.



This preview shows how white text looks on a background with the CIELCh color 64, 36.539, 201.826.

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](#).

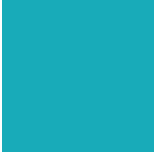
Dichromacy



Original Color
64, 36.504, 201.834

Protanopia
64, 7.265, 290.966

Deuteranopia
64, 17.975, 296.597

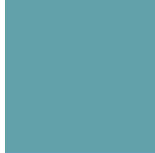


Tritanopia
64, 34.836, 209.865

Trichromacy



Original Color
64, 36.504, 201.834



Protanomaly
62, 20.771, 213.567



Deuteranomaly
62, 22.098, 232.283



Tritanomaly
64, 35.339, 207.733

Monochromacy



Original Color
64, 36.504, 201.834



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 20.753, 200.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.539, 201.826 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(1, 172, 178)` looks like.

```
.text, #text, p{  
    color:rgb(1, 172, 178)  
}
```

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(1, 172, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 172, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.539, 201.826 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(1, 172, 178) }
```

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

```
.border{ border-color:rgb(1, 172, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 172, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(1, 172,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.539, 201.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 172, 178) }
```

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

```
.background{ background-color: rgb(1, 172,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor