

Converting Colors

CIELCh(64, 37.223, 210.491)

Have a look what the booklet for
CIELCh(64, 37.223, 210.491)
contains.

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Color

CIELCh(64, 35.933, 211.263)

Conversions

Conversions Part 1

Format	Color
Hex	00ABBB
RGB	0, 171, 187
RGB Percent	0%, 67%, 73%
CMY	1.0000, 0.3284, 0.2656
CMYK	1.00, 0.09, 0.00, 0.27
HSL	185°, 100%, 37%
HSV	185°, 100%, 73%
XYZ	23.5658, 32.8017, 52.2482
YIQ	121.6950, -107.0520, -31.2760

Conversions

Conversions Part 2

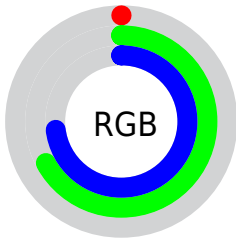
Format	Color
RYB	0, 89, 187
Decimal	43963
CIELab	64.00, -30.72, -18.65
CIELCh	64, 35.933, 211.263
Yxy	32.8017, 0.2170, 0.3020
Android (android.graphics.Color)	4278234043 (0xFF00ABBB)
YUV	121.6950, 32.1954, -106.7265
Hunter-Lab	57.2727, -26.7804, -13.9976

Details

The CIELCh color **64, 35.933, 211.263** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 81.673, 40.944**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.782, 210.989**, and **45, 27.375, 217.519** is the 20% darker color. If you saturate the color by 10%, you get **64, 35.818, 211.318**, and if you desaturate by 10%, it is **65, 35.425, 209.968**.

Distribution



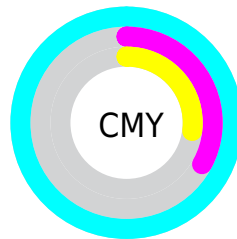
- Red (0%)
- Green (67%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (33%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 35.933, 211.263 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, 35.933, 211.263 by changing the saturation by 10% instead.

 64, 35.933,
211.263


 64, 35.933,
211.263


 100, 35.933,
211.263


 54, 35.933,
211.263


 84, 35.933,
211.263

 44, 35.933,
211.263

 94, 35.933,
211.263

 34, 35.933,
211.263

 24, 35.933,
211.263

 14, 35.933,
211.263

 4, 35.933, 211.263

 0, 35.933, 211.263

■ 64, 35.933,
211.263

■ 64, 35.933,
211.263

■ 64, 35.818,
211.318

■ 65, 35.425,
209.968

■ 65, 34.423,
208.859

■ 66, 32.621,
208.019

■ 67, 29.987,
207.419

■ 68, 26.544,
207.028

■ 70, 22.354,
206.815

■ 71, 17.504,
206.753

■ 72, 12.094,

206.819

■ 74, 6.227, 207.010

Harmonies

Complementary

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



64, 35.933, 211.263



40, 81.673, 40.944

Rectangle

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



64, 35.933, 211.263



64, 35.933, 261.263



64, 35.933, 31.263



64, 35.933, 81.263

Sweetspot

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



64, 35.818, 211.318



89, 21.535, 206.753



66, 93.376, 136.713



47, 14.555, 206.765



98, 0.011, 296.813



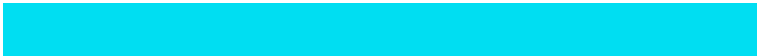
51, 0.007, 296.813

Same Dimension

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



64, 35.818, 211.318



81, 43.400, 211.586



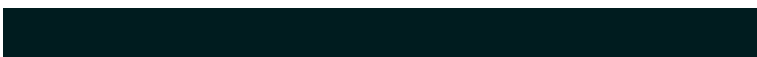
36, 67.299, 291.255



39, 3.557, 207.028



55, 31.634, 211.106



8, 10.417, 208.630

Inverse Universe

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



44, 85.688, 331.957



56, 103.841, 332.022



54, 65.857, 67.826



37, 6.667, 327.340



37, 75.669, 331.905



3, 19.757, 328.654

Previews

White Background



This preview shows how the CIE LCh color 64, 35.933, 211.263 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, 35.933, 211.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

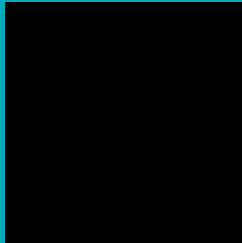
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 35.933, 211.263

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.933, 211.263.

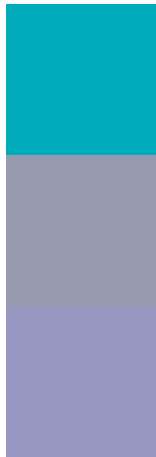


This preview shows how white text looks on a background with the CIELCh color 64, 35.933, 211.263.

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, 35.777, 211.346

Protanopia

64, 12.296, 288.134

Deuteranopia

64, 22.912, 291.745



Tritanopia
64, 35.826, 209.426

Trichromacy



Original Color
64, 35.777, 211.346



Protanomaly
62, 22.354, 226.610



Deuteranomaly
62, 25.466, 243.465



Tritanomaly
64, 35.797, 210.385

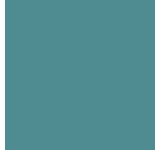
Monochromacy



Original Color
64, 35.777, 211.346



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 20.607, 207.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.933, 211.263 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, 171, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 187)  
}
```

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, 171, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.933, 211.263 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, 171, 187) }
```

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

```
.border{ border-color:rgb(0, 171, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.933, 211.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 187) }
```

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

```
.background{ background-color: rgb(0, 171,  
187) }
```

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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