

Converting Colors

CIELCh(64, 35.741, 215.849)

Have a look what the booklet for
CIELCh(64, 35.741, 215.849)
contains.

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Color

CIELCh(64, 35.753, 215.212)

Conversions

Conversions Part 1	
Format	Color
Hex	00ABBF
RGB	0, 171, 191
RGB Percent	0%, 67%, 75%
CMY	0.9998, 0.3302, 0.2518
CMYK	1.00, 0.10, 0.00, 0.25
HSL	186°, 100%, 37%
HSV	186°, 100%, 75%
XYZ	23.9060, 32.8017, 54.2424
YIQ	122.1510, -108.3360, -30.0320

Conversions

Conversions Part 2

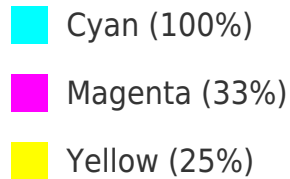
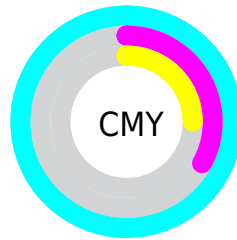
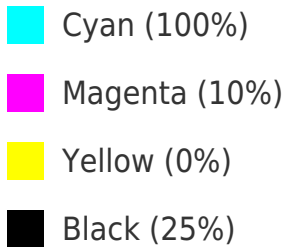
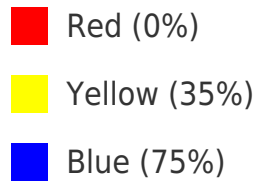
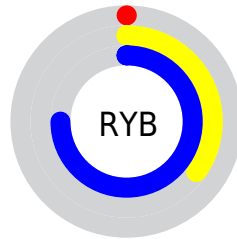
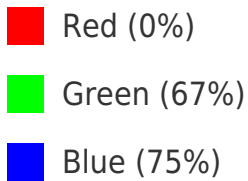
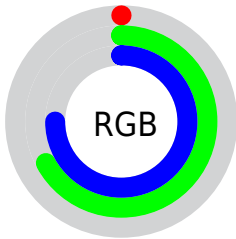
Format	Color
RYB	0, 90, 191
Decimal	43967
CIELab	64.00, -29.21, -20.62
CIELCh	64, 35.753, 215.212
Yxy	32.8017, 0.2155, 0.2956
Android (android.graphics.Color)	4278234047 (0xFF00ABBF)
YUV	122.1510, 33.9426, -107.1264
Hunter-Lab	57.2727, -25.7202, -16.0620

Details

The CIELCh color **64, 35.753, 215.212** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 82.438, 41.217**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.882, 214.538**, and **45, 27.662, 222.842** is the 20% darker color. If you saturate the color by 10%, you get **64, 35.753, 215.217**, and if you desaturate by 10%, it is **65, 35.360, 213.469**.

Distribution




Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 35.753, 215.212 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, 35.753, 215.212 by changing the saturation by 10% instead.

 64, 35.753,
215.212

 64, 35.753,
215.212


 100, 35.753,
215.212


 54, 35.753,
215.212


 84, 35.753,
215.212

 44, 35.753,
215.212

 94, 35.753,
215.212

 34, 35.753,
215.212

 24, 35.753,
215.212

 14, 35.753,
215.212

 4, 35.753, 215.212

 0, 35.753, 215.212

■ 64, 35.753,
215.212

■ 64, 35.753,
215.212

■ 64, 35.753,
215.217

■ 65, 35.360,
213.469

■ 66, 34.360,
212.027

■ 67, 32.561,
210.914

■ 68, 29.931,
210.092

■ 69, 26.491,
209.520

■ 70, 22.304,
209.158

■ 72, 17.459,
208.971

■ 74, 12.056,

208.931

■ 75, 6.198, 209.032

Harmonies

Complementary

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



64, 35.753, 215.212



40, 82.438, 41.217

Rectangle

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



64, 35.753, 215.212



64, 35.753, 265.212



64, 35.753, 35.212



64, 35.753, 85.212

Sweetspot

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



64, 35.752, 215.211



91, 21.538, 208.977



67, 94.282, 136.888



48, 14.556, 209.040



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



64, 35.752, 215.211



81, 43.404, 215.557



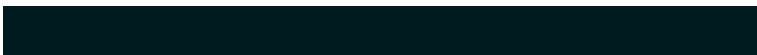
36, 70.406, 292.499



39, 3.498, 209.044



54, 31.142, 214.920



8, 10.179, 211.812

Inverse Universe

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



44, 85.563, 332.911



57, 103.862, 332.996



55, 66.575, 69.319



37, 6.578, 327.931



36, 74.539, 332.839



3, 19.378, 329.487

Previews

White Background



This preview shows how the CIELCh color 64, 35.753, 215.212 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, 35.753, 215.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

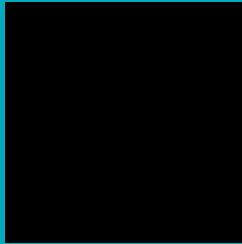
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 35.753, 215.212

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.753, 215.212.



This preview shows how white text looks on a background with the CIELCh color 64, 35.753, 215.212.

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, 35.785, 215.194

Protanopia

64, 14.560, 286.131

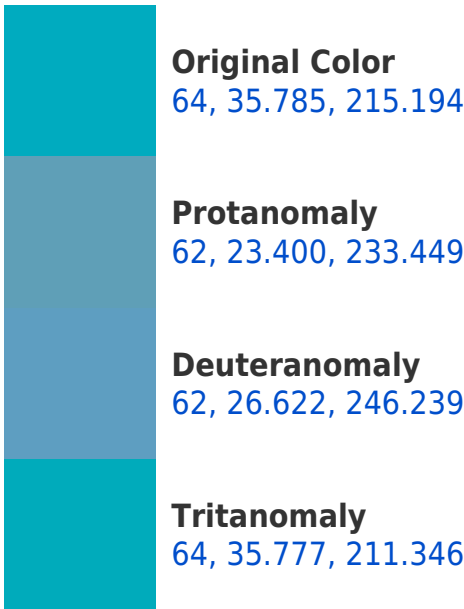
Deuteranopia

64, 24.588, 290.413

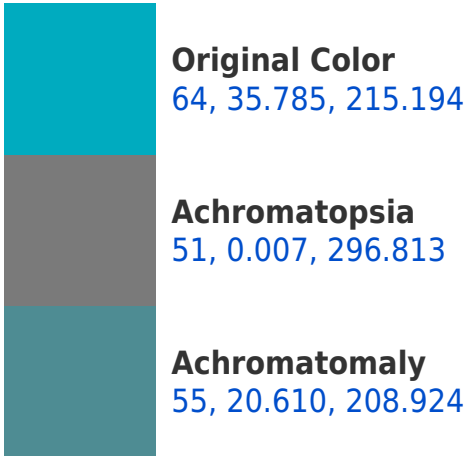


Tritanopia
64, 35.826, 209.426

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.753, 215.212 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.753, 215.212 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, 191) }
```

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

```
.border{ border-color:rgb(0, 171, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.753, 215.212 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, 191) }
```

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

```
.background{ background-color: rgb(0, 171,  
191) }
```

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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