

Converting Colors

CIELCh(56, 109.456, 197.669)

Have a look what the booklet for
CIELCh(56, 109.456, 197.669)
contains.

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Color

CIELCh(64, 35.769, 214.232)

Conversions

Conversions Part 1

Format	Color
Hex	00ABBE
RGB	0, 171, 190
RGB Percent	0%, 67%, 75%
CMY	1.0000, 0.3298, 0.2553
CMYK	1.00, 0.10, 0.00, 0.26
HSL	186°, 100%, 37%
HSV	186°, 100%, 74%
XYZ	23.8240, 32.8017, 53.7373
YIQ	122.0370, -108.0150, -30.3430

Conversions

Conversions Part 2

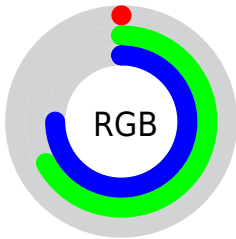
Format	Color
RYB	0, 90, 190
Decimal	43966
CIELab	64.00, -29.57, -20.12
CIELCh	64, 35.769, 214.232
Yxy	32.8017, 0.2159, 0.2972
Android (android.graphics.Color)	4278234046 (0xFF00ABBE)
YUV	122.0370, 33.5058, -107.0264
Hunter-Lab	57.2727, -25.9759, -15.5391

Details

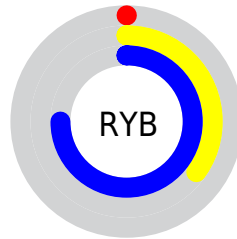
The CIELCh color **64, 35.769, 214.232** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 82.266, 41.151**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.846, 213.652**, and **45, 27.570, 221.522** is the 20% darker color. If you saturate the color by 10%, you get **64, 35.755, 214.239**, and if you desaturate by 10%, it is **65, 35.367, 212.594**.

Distribution



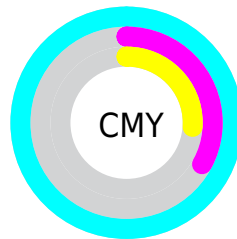
- Red (0%)
- Green (67%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (33%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 35.769, 214.232 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, 35.769, 214.232 by changing the saturation by 10% instead.


 64, 35.769,
214.232

 64, 35.769,
214.232


 100, 35.769,
214.232


 54, 35.769,
214.232


 84, 35.769,
214.232

 44, 35.769,
214.232

 94, 35.769,
214.232

 34, 35.769,
214.232

 24, 35.769,
214.232

 14, 35.769,
214.232

 4, 35.769, 214.232

 0, 35.769, 214.232

■ 64, 35.769,
214.232

■ 64, 35.769,
214.232

■ 64, 35.755,
214.239

■ 65, 35.367,
212.594

■ 65, 34.370,
211.236

■ 66, 32.574,
210.191

■ 67, 29.947,
209.424

■ 69, 26.509,
208.897

■ 70, 22.324,
208.572

■ 72, 17.481,
208.416

■ 73, 12.078,

208.402

■ 75, 6.219, 208.526

Harmonies

Complementary

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



64, 35.769, 214.232



40, 82.266, 41.151

Rectangle

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



64, 35.769, 214.232



64, 35.769, 264.232



64, 35.769, 34.232



64, 35.769, 84.232

Sweetspot

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



64, 35.755, 214.239



91, 21.624, 208.420



67, 93.957, 136.889



48, 14.614, 208.471



99, 0.012, 296.813



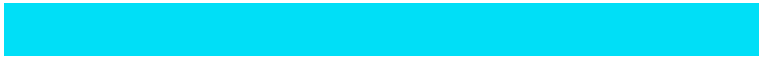
52, 0.007, 296.813

Same Dimension

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



64, 35.755, 214.239



81, 43.555, 214.566



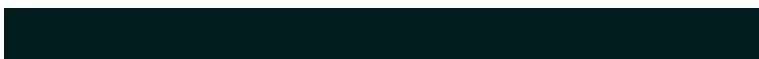
36, 70.163, 292.497



39, 3.512, 208.540



54, 31.252, 213.964



8, 10.236, 211.008

Inverse Universe

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



44, 85.595, 332.672



57, 104.259, 332.753



55, 66.355, 69.323



37, 6.600, 327.783



36, 74.816, 332.605



3, 19.471, 329.277

Previews

White Background



This preview shows how the CIELCh color 64, 35.769, 214.232 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, 35.769, 214.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

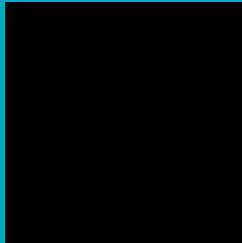
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 35.769, 214.232

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.769, 214.232.




This preview shows how white text looks on a background with the CIELCh color 64, 35.769, 214.232.

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, 35.826, 209.426

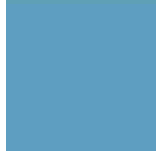
Trichromacy



Original Color
64, 35.769, 214.232



Protanomaly
62, 23.157, 230.411



Deuteranomaly
62, 26.622, 246.239



Tritanomaly
64, 35.777, 211.346

Monochromacy



Original Color
64, 35.769, 214.232



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 20.610, 208.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.769, 214.232 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.769, 214.232 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, 190) }
```

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

```
.border{ border-color:rgb(0, 171, 190) }
```

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, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.769, 214.232 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, 190) }
```

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

```
.background{ background-color: rgb(0, 171,  
190) }
```

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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