

Converting Colors

CIELCh(61, 68.929, 196.983)

Have a look what the booklet for
CIELCh(61, 68.929, 196.983)
contains.

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Color

CIELCh(65, 37.020, 201.738)

Conversions

Conversions Part 1

Format	Color
Hex	01AFB5
RGB	1, 175, 181
RGB Percent	0%, 69%, 71%
CMY	0.9978, 0.3133, 0.2898
CMYK	1.00, 0.03, 0.00, 0.29
HSL	182°, 99%, 36%
HSV	182°, 100%, 71%
XYZ	23.7098, 34.0472, 49.0973
YIQ	123.6580, -105.6300, -35.0220

Conversions

Conversions Part 2

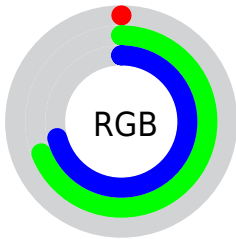
Format	Color
RYB	1, 89, 181
Decimal	110517
CIELab	65.00, -34.39, -13.71
CIELCh	65, 37.020, 201.738
Yxy	34.0472, 0.2219, 0.3186
Android (android.graphics.Color)	4278300597 (0xFF01AFB5)
YUV	123.6580, 28.2696, -107.5711
Hunter-Lab	58.3500, -29.5811, -9.0433

Details

The CIELCh color **65, 37.020, 201.738** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 80.226, 40.259**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.897, 201.994**, and **46, 28.282, 203.877** is the 20% darker color. If you saturate the color by 10%, you get **65, 37.033, 201.750**, and if you desaturate by 10%, it is **65, 36.491, 201.314**.

Distribution



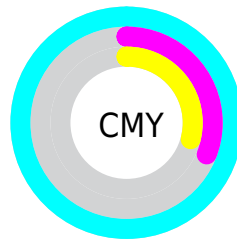
- Red (0%)
- Green (69%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 37.020, 201.738 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 65, 37.020, 201.738 by changing the saturation by 10% instead.

 65, 37.020,
201.738


 65, 37.020,
201.738


 100, 37.020,
201.738


 55, 37.020,
201.738


 85, 37.020,
201.738

 45, 37.020,
201.738

 95, 37.020,
201.738

 35, 37.020,
201.738

 25, 37.020,
201.738

 15, 37.020,
201.738

 5, 37.020, 201.738

 0, 37.020, 201.738

■ 65, 37.020,
201.738

■ 65, 37.020,
201.738

■ 65, 37.033,
201.750

■ 65, 36.491,
201.314

■ 66, 35.345,
201.000

■ 66, 33.404,
200.814

■ 67, 30.636,
200.750

■ 68, 27.060,
200.799

■ 69, 22.735,
200.951

■ 70, 17.745,
201.194

■ 71, 12.191,

201.520

■ 72, 6.176, 201.937

Harmonies

Complementary

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



65, 37.020, 201.738



38, 80.226, 40.259

Rectangle

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



65, 37.020, 201.738



65, 37.020, 251.738



65, 37.020, 21.738



65, 37.020, 71.738

Sweetspot

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



65, 37.019, 201.737



88, 22.054, 201.171



64, 92.258, 136.167



46, 14.782, 201.063



96, 0.011, 296.813



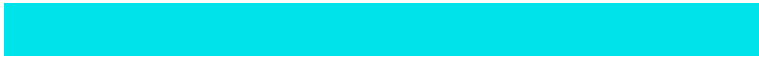
49, 0.007, 296.813

Same Dimension

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



65, 37.019, 201.737



82, 44.921, 201.844



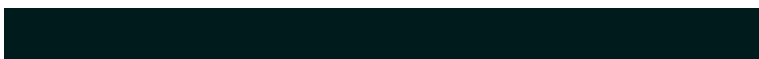
38, 57.477, 285.473



38, 3.653, 201.954



56, 33.115, 201.684



8, 9.976, 202.328

Inverse Universe

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



43, 87.040, 329.589



55, 105.673, 329.619



49, 65.339, 62.107



36, 6.756, 325.830



36, 77.864, 329.579



3, 18.201, 326.010

Previews

White Background



This preview shows how the CIELCh color 65, 37.020, 201.738 looks on a white background.

Color Contrast Check

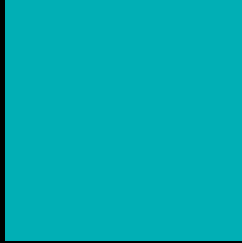
Large Text (above 18pt) WCAG AA × Fail

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 65, 37.020, 201.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

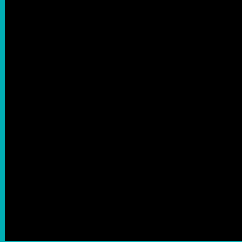
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 37.020, 201.738

Background



This preview shows how black text looks on a background with the CIELCh color 65, 37.020, 201.738.

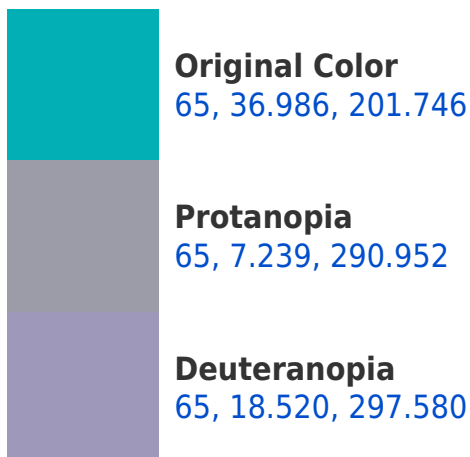


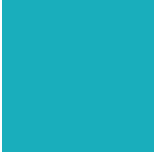
This preview shows how white text looks on a background with the CIELCh color 65, 37.020, 201.738.

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



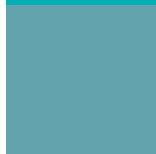


Tritanopia
65, 35.269, 209.656

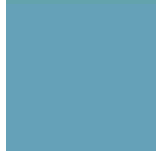
Trichromacy



Original Color
65, 36.986, 201.746



Protanomaly
63, 21.285, 213.102



Deuteranomaly
63, 22.332, 233.565



Tritanomaly
65, 35.881, 206.590

Monochromacy



Original Color
65, 36.986, 201.746



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 21.285, 200.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 37.020, 201.738 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, 175, 181)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 181)  
}
```

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, 175, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 37.020, 201.738 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, 175, 181) }
```

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

```
.border{ border-color:rgb(1, 175, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 175, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 181);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 37.020, 201.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 175, 181) }
```

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

```
.background{ background-color: rgb(1, 175,  
181) }
```

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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