

Converting Colors

CIELCh(65, 36.340, 211.591)

Have a look what the booklet for
CIELCh(65, 36.340, 211.591)
contains.

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Color

CIELCh(65, 36.231, 212.047)

Conversions

Conversions Part 1

Format	Color
Hex	00AEBF
RGB	0, 174, 191
RGB Percent	0%, 68%, 75%
CMY	0.9993, 0.3175, 0.2509
CMYK	1.00, 0.09, 0.00, 0.25
HSL	185°, 100%, 37%
HSV	185°, 100%, 75%
XYZ	24.5506, 34.0472, 54.5854
YIQ	123.9120, -109.1610, -31.6010

Conversions

Conversions Part 2

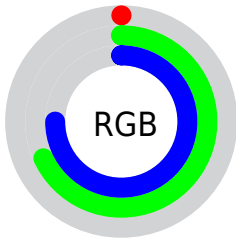
Format	Color
RYB	0, 91, 191
Decimal	44735
CIELab	65.00, -30.71, -19.22
CIELCh	65, 36.231, 212.047
Yxy	34.0472, 0.2169, 0.3008
Android (android.graphics.Color)	4278234815 (0xFF00AEBF)
YUV	123.9120, 33.0744, -108.6708
Hunter-Lab	58.3500, -27.0089, -14.6199

Details

The CIELCh color **65, 36.231, 212.047** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 82.795, 40.956**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.217, 211.660**, and **46, 27.902, 218.353** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.233, 212.059**, and if you desaturate by 10%, it is **66, 35.842, 210.619**.

Distribution



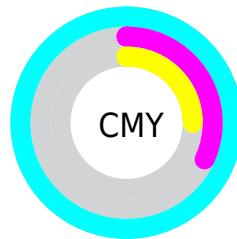
- Red (0%)
- Green (68%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (32%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.231, 212.047 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, 36.231, 212.047 by changing the saturation by 10% instead.


 65, 36.231,
212.047


 65, 36.231,
212.047


 100, 36.231,
212.047


 55, 36.231,
212.047


 85, 36.231,
212.047

 45, 36.231,
212.047

 95, 36.231,
212.047

 35, 36.231,
212.047

 25, 36.231,
212.047

 15, 36.231,
212.047

 5, 36.231, 212.047

 0, 36.231, 212.047

■ 65, 36.231,
212.047

■ 65, 36.231,
212.047

■ 65, 36.233,
212.059

■ 66, 35.842,
210.619

■ 66, 34.829,
209.447

■ 67, 33.005,
208.556

■ 68, 30.337,
207.914

■ 69, 26.848,
207.490

■ 71, 22.601,
207.250

■ 72, 17.684,
207.165

■ 74, 12.201,

207.212

■ 76, 6.255, 207.387

Harmonies

Complementary

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



65, 36.231, 212.047



40, 82.795, 40.956

Rectangle

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



65, 36.231, 212.047



65, 36.231, 262.047



65, 36.231, 32.047



65, 36.231, 82.047

Sweetspot

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



65, 36.230, 212.046



91, 21.829, 207.166



68, 94.779, 136.705



48, 14.752, 207.188



99, 0.012, 296.813



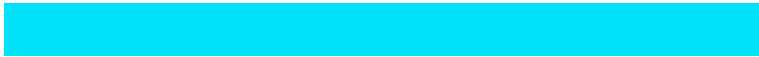
52, 0.007, 296.813

Same Dimension

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



65, 36.230, 212.046



82, 43.943, 212.337



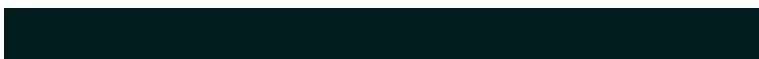
37, 68.341, 291.282



39, 3.546, 207.403



54, 31.532, 211.813



8, 10.370, 209.215

Inverse Universe

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



44, 86.700, 332.135



57, 105.175, 332.206



55, 66.816, 67.795



37, 6.650, 327.450



37, 75.455, 332.078



3, 19.685, 328.807

Previews

White Background



This preview shows how the CIE LCh color 65, 36.231, 212.047 looks on a white background.

Color Contrast Check

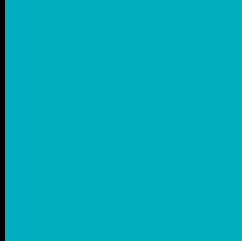
Large Text (above 18pt) WCAG AA × Fail

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, 36.231, 212.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

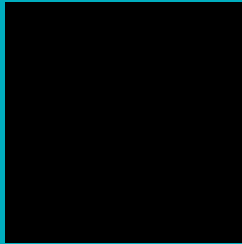
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 36.231, 212.047

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.231, 212.047.



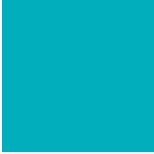
This preview shows how white text looks on a background with the CIELCh color 65, 36.231, 212.047.

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



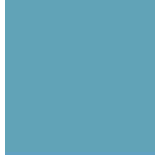


Tritanopia
65, 36.298, 209.212

Trichromacy



Original Color
65, 36.231, 212.047



Protanomaly
63, 22.980, 227.252



Deuteranomaly
63, 25.946, 243.976



Tritanomaly
65, 36.267, 210.155

Monochromacy



Original Color
65, 36.231, 212.047



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.871, 207.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.231, 212.047 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, 174, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 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, 174, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.231, 212.047 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, 174, 191) }
```

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

```
.border{ border-color:rgb(0, 174, 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, 174, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.231, 212.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 191) }
```

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

```
.background{ background-color: rgb(0, 174,  
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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