

Converting Colors

CIELCh(65, 38.573, 236.163)

Have a look what the booklet for
CIELCh(65, 38.573, 236.163)
contains.

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Color

CIELCh(65, 38.549, 236.196)

Conversions

Conversions Part 1

Format	Color
Hex	01ABD6
RGB	1, 171, 214
RGB Percent	0%, 67%, 84%
CMY	0.9967, 0.3288, 0.1602
CMYK	1.00, 0.20, 0.00, 0.16
HSL	192°, 99%, 42%
HSV	192°, 100%, 84%
XYZ	26.7561, 34.0472, 68.8786
YIQ	125.0720, -115.1230, -22.6670

Conversions

Conversions Part 2

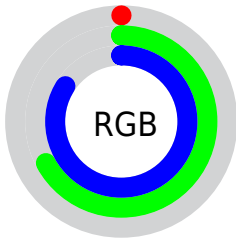
Format	Color
RYB	1, 96, 214
Decimal	109526
CIELab	65.00, -21.45, -32.03
CIELCh	65, 38.549, 236.196
Yxy	34.0472, 0.2063, 0.2625
Android (android.graphics.Color)	4278299606 (0xFF01ABD6)
YUV	125.0720, 43.8415, -108.8111
Hunter-Lab	58.3500, -20.2622, -29.1433

Details

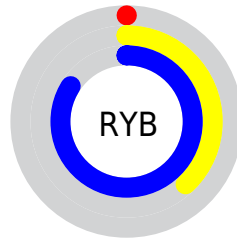
The CIELCh color **65, 38.549, 236.196** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **47, 86.935, 43.290**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.587, 223.183**, and **47, 32.096, 245.982** is the 20% darker color. If you saturate the color by 10%, you get **65, 38.584, 236.346**, and if you desaturate by 10%, it is **66, 37.617, 232.437**.

Distribution



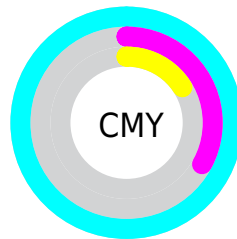
- Red (0%)
- Green (67%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (33%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 38.549, 236.196 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, 38.549, 236.196 by changing the saturation by 10% instead.

 65, 38.549,
236.196


 65, 38.549,
236.196


 100, 38.549,
236.196


 55, 38.549,
236.196


 85, 38.549,
236.196

 45, 38.549,
236.196

 95, 38.549,
236.196

 35, 38.549,
236.196

 25, 38.549,
236.196

 15, 38.549,
236.196

 5, 38.549, 236.196

 0, 38.549, 236.196

■ 65, 38.549,
236.196

■ 65, 38.549,
236.196

■ 65, 38.584,
236.346

■ 66, 37.617,
232.437

■ 68, 36.170,
229.249

■ 70, 34.004,
226.680

■ 72, 31.056,
224.659

■ 74, 27.333,
223.101

■ 76, 22.891,
221.923

■ 78, 17.814,
221.054

■ 81, 12.201,

220.435

■ 83, 6.147, 220.038

Harmonies

Complementary

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



65, 38.549, 236.196



47, 86.935, 43.290

Rectangle

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



65, 38.549, 236.196



65, 38.549, 286.196



65, 38.549, 56.196



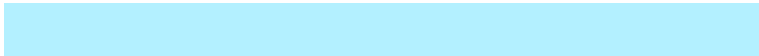
65, 38.549, 106.196

Sweetspot

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



65, 38.548, 236.196



91, 20.744, 221.105



75, 98.956, 138.452



47, 13.921, 221.450



0, 0.000, 0.000



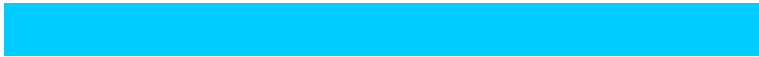
53, 0.007, 296.813

Same Dimension

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



65, 38.548, 236.196



76, 44.067, 236.786



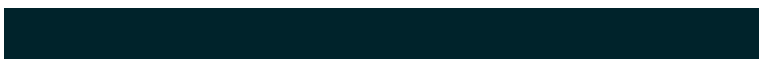
35, 90.765, 298.570



44, 3.634, 220.033



53, 32.553, 235.665



12, 12.648, 227.673

Inverse Universe

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



49, 86.491, 338.331



58, 98.552, 338.499



67, 72.482, 78.594



42, 6.822, 331.142



39, 73.281, 338.184



6, 28.411, 335.951

Previews

White Background



This preview shows how the CIE LCh color 65, 38.549, 236.196 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, 38.549, 236.196 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, 38.549, 236.196

Background



This preview shows how black text looks on a background with the CIELCh color 65, 38.549, 236.196.

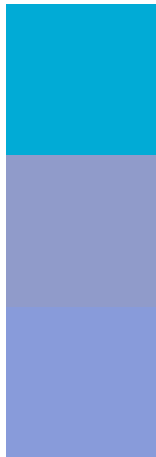


This preview shows how white text looks on a background with the CIELCh color 65, 38.549, 236.196.

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

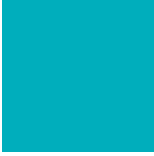
65, 38.526, 236.225

Protanopia

65, 26.302, 284.990

Deuteranopia

65, 35.303, 284.247



Tritanopia
65, 36.298, 209.212

Trichromacy



Original Color
65, 38.526, 236.225



Protanomaly
64, 30.960, 253.277



Deuteranomaly
64, 35.975, 259.623



Tritanomaly
65, 36.292, 219.725

Monochromacy



Original Color
65, 38.526, 236.225



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 21.212, 221.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 38.549, 236.196 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, 171, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 171, 214)  
}
```

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, 171, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 171, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 38.549, 236.196 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, 171, 214) }
```

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

```
.border{ border-color:rgb(1, 171, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 171, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 171, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 171, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 171,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 38.549, 236.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 171, 214) }
```

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

```
.background{ background-color: rgb(1, 171,  
214) }
```

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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