

Converting Colors

CIELCh(64, 38.212, 236.745)

Have a look what the booklet for
CIELCh(64, 38.212, 236.745)
contains.

CIELCh(64, 38.200, 236.785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 38.200, 236.785)

Conversions

Conversions Part 1

Format	Color
Hex	01A8D3
RGB	1, 168, 211
RGB Percent	0%, 66%, 83%
CMY	0.9955, 0.3404, 0.1717
CMYK	0.99, 0.20, 0.00, 0.17
HSL	192°, 99%, 42%
HSV	192°, 99%, 83%
XYZ	25.8387, 32.8017, 66.7380
YIQ	122.9690, -113.3350, -22.0310

Conversions

Conversions Part 2

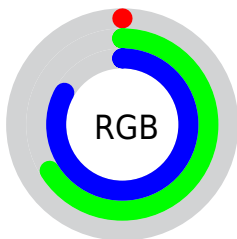
Format	Color
RYB	1, 94, 211
Decimal	108755
CIELab	64.00, -20.93, -31.96
CIELCh	64, 38.200, 236.785
Yxy	32.8017, 0.2061, 0.2616
Android (android.graphics.Color)	4278298835 (0xFF01A8D3)
YUV	122.9690, 43.3993, -106.9668
Hunter-Lab	57.2727, -19.6967, -28.9977

Details

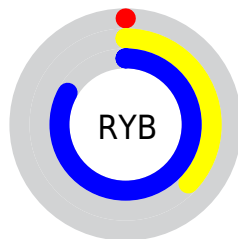
The CIELCh color **64, 38.200, 236.785** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **47, 85.797, 43.397**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.600, 226.189**, and **45, 31.806, 246.889** is the 20% darker color. If you saturate the color by 10%, you get **64, 38.250, 236.993**, and if you desaturate by 10%, it is **65, 37.237, 232.986**.

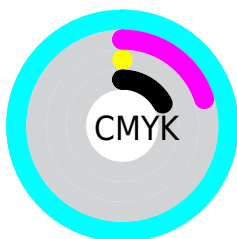
Distribution



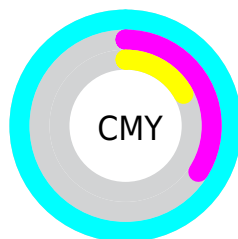
- Red (0%)
- Green (66%)
- Blue (83%)



- Red (0%)
- Yellow (37%)
- Blue (83%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 38.200, 236.785 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, 38.200, 236.785 by changing the saturation by 10% instead.

 64, 38.200,
236.785

 64, 38.200,
236.785


 100, 38.200,
236.785


 54, 38.200,
236.785


 84, 38.200,
236.785

 44, 38.200,
236.785

 94, 38.200,
236.785

 34, 38.200,
236.785

 24, 38.200,
236.785

 14, 38.200,
236.785

 4, 38.200, 236.785

 0, 38.200, 236.785

■ 64, 38.200,
236.785

■ 64, 38.200,
236.785

■ 64, 38.250,
236.993

■ 65, 37.237,
232.986

■ 67, 35.768,
229.764

■ 69, 33.593,
227.165

■ 71, 30.652,
225.119

■ 73, 26.950,
223.539

■ 75, 22.544,
222.342

■ 77, 17.516,
221.455

■ 80, 11.963,

220.821

■ 82, 5.979, 220.411

Harmonies

Complementary

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



64, 38.200, 236.785



47, 85.797, 43.397

Rectangle

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



64, 38.200, 236.785



64, 38.200, 286.785



64, 38.200, 56.785



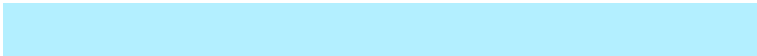
64, 38.200, 106.785

Sweetspot

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



64, 38.199, 236.785



91, 20.717, 221.521



74, 97.838, 138.486



47, 13.904, 221.875



0, 0.000, 0.000



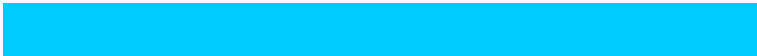
53, 0.007, 296.813

Same Dimension

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



64, 38.199, 236.785



76, 44.149, 237.478



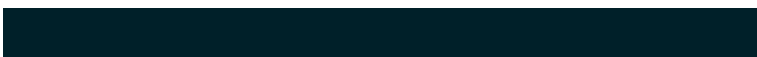
35, 89.613, 298.497



43, 3.557, 220.410



52, 32.241, 236.291



11, 12.196, 227.680

Inverse Universe

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



48, 85.403, 338.497



58, 98.321, 338.696



66, 71.700, 78.650



41, 6.673, 331.251



38, 72.317, 338.359



5, 26.560, 335.882

Previews

White Background



This preview shows how the CIE LCh color 64, 38.200, 236.785 looks on a white background.

Color Contrast Check

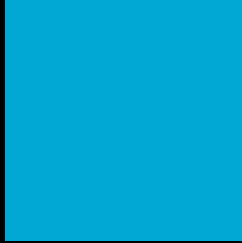
Large Text (above 18pt) WCAG AA × Fail

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, 38.200, 236.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

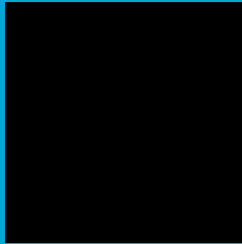
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 38.200, 236.785

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.200, 236.785.

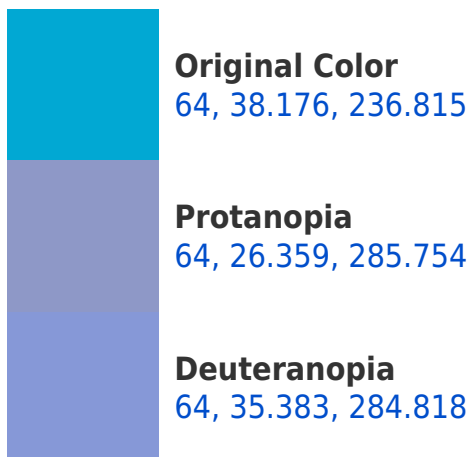



This preview shows how white text looks on a background with the CIELCh color 64, 38.200, 236.785.

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, 38.176, 236.815



Protanomaly
62, 30.733, 254.182



Deuteranomaly
63, 35.819, 260.446



Tritanomaly
64, 35.851, 220.108

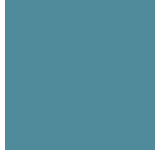
Monochromacy



Original Color
64, 38.176, 236.815



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.891, 224.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.200, 236.785 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, 168, 211)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 211)  
}
```

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, 168, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.200, 236.785 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, 168, 211) }
```

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

```
.border{ border-color:rgb(1, 168, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 168, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 211);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.200, 236.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 211) }
```

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

```
.background{ background-color: rgb(1, 168,  
211) }
```

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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