

Converting Colors

CIELCh(64, 38.421, 238.028)

Have a look what the booklet for
CIELCh(64, 38.421, 238.028)
contains.

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Color

CIELCh(64, 38.331, 237.743)

Conversions

Conversions Part 1

Format	Color
Hex	04A8D4
RGB	4, 168, 212
RGB Percent	2%, 66%, 83%
CMY	0.9834, 0.3410, 0.1685
CMYK	0.98, 0.21, 0.00, 0.17
HSL	193°, 96%, 42%
HSV	193°, 98%, 83%
XYZ	25.9507, 32.8017, 67.2770
YIQ	123.9800, -111.8680, -21.0840

Conversions

Conversions Part 2

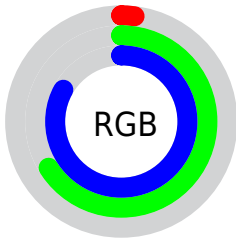
Format	Color
R_YB	4, 96, 212
Decimal	305364
CIE _{Lab}	64.00, -20.46, -32.42
CIE _{LCh}	64, 38.331, 237.743
Yxy	32.8017, 0.2059, 0.2603
Android (android.graphics.Color)	4278495444 (0xFF04A8D4)
YUV	123.9800, 43.3939, -105.2225
Hunter-Lab	57.2727, -19.3477, -29.5557

Details

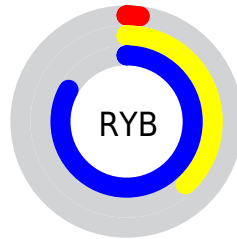
The CIELCh color **64, 38.331, 237.743** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **47, 84.785, 43.573**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.442, 226.337**, and **46, 32.135, 247.877** is the 20% darker color. If you saturate the color by 10%, you get **64, 38.533, 238.540**, and if you desaturate by 10%, it is **65, 37.252, 233.875**.

Distribution



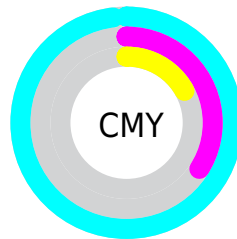
- Red (2%)
- Green (66%)
- Blue (83%)



- Red (2%)
- Yellow (38%)
- Blue (83%)



- Cyan (98%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)




- Cyan (98%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 38.331, 237.743 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, 38.331, 237.743 by changing the saturation by 10% instead.

 64, 38.331,
237.743


 64, 38.331,
237.743

 100, 38.331,
237.743


 54, 38.331,
237.743

 84, 38.331,
237.743

 44, 38.331,
237.743

 94, 38.331,
237.743

 34, 38.331,
237.743

 24, 38.331,
237.743

 14, 38.331,
237.743

 4, 38.331, 237.743

 0, 38.331, 237.743

■ 64, 38.331,
237.743

■ 64, 38.331,
237.743

■ 64, 38.533,
238.540

■ 65, 37.252,
233.875

■ 67, 35.628,
230.635

■ 69, 33.299,
228.024

■ 71, 30.212,
225.968

■ 73, 26.380,
224.379

■ 75, 21.861,
223.173

■ 78, 16.740,
222.276

■ 80, 11.113,

221.632

■ 83, 5.073, 221.223

Harmonies

Complementary

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



64, 38.331, 237.743



47, 84.785, 43.573

Rectangle

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



64, 38.331, 237.743



64, 38.331, 287.743



64, 38.331, 57.743



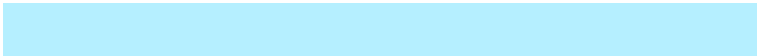
64, 38.331, 107.743

Sweetspot

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



64, 38.330, 237.743



91, 20.045, 222.378



74, 97.471, 138.683



47, 13.534, 222.746



0, 0.000, 0.000



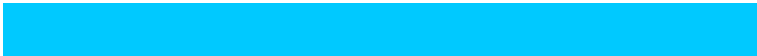
53, 0.007, 296.813

Same Dimension

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



64, 38.330, 237.743



75, 44.356, 239.028



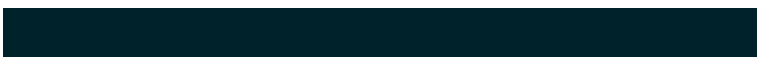
35, 88.510, 298.053



44, 3.616, 221.264



52, 32.739, 237.858



11, 12.655, 229.472

Inverse Universe

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



48, 85.121, 338.766



58, 97.807, 339.143



66, 71.558, 78.970



42, 6.773, 331.504



39, 72.737, 338.805



6, 28.200, 336.437

Previews

White Background



This preview shows how the CIE LCh color 64, 38.331, 237.743 looks on a white background.

Color Contrast Check

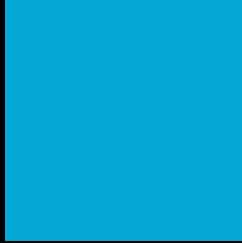
Large Text (above 18pt) WCAG AA × Fail

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, 38.331, 237.743 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, 38.331, 237.743

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.331, 237.743.

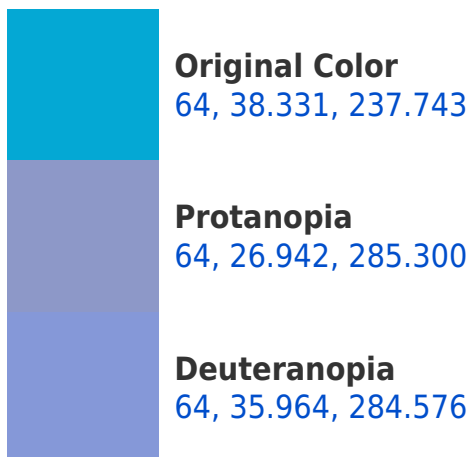



This preview shows how white text looks on a background with the CIELCh color 64, 38.331, 237.743.

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, 38.331, 237.743



Protanomaly
63, 31.129, 254.974



Deuteranomaly
63, 36.250, 261.072



Tritanomaly
64, 35.791, 220.153

Monochromacy



Original Color
64, 38.331, 237.743



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.895, 224.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.331, 237.743 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(4, 168, 212)` looks like.

```
.text, #text, p{  
    color:rgb(4, 168, 212)  
}
```

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(4, 168, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 168, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.331, 237.743 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(4, 168, 212) }
```

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

```
.border{ border-color:rgb(4, 168, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 168, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 168, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 168, 212);  
box-shadow:4px 4px 4px 4px rgb(4, 168,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.331, 237.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 168, 212) }
```

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

```
.background{ background-color: rgb(4, 168,  
212) }
```

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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