

Converting Colors

CIELCh(64, 37.276, 232.538)

Have a look what the booklet for
CIELCh(64, 37.276, 232.538)
contains.

CIELCh(64, 37.273, 232.340)	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, 37.273, 232.340)

Conversions

Conversions Part 1

Format	Color
Hex	01A9CF
RGB	1, 169, 207
RGB Percent	0%, 66%, 81%
CMY	0.9961, 0.3380, 0.1891
CMYK	1.00, 0.18, 0.00, 0.19
HSL	191°, 99%, 41%
HSV	191°, 100%, 81%
XYZ	25.3990, 32.8017, 63.8901
YIQ	123.1000, -112.3260, -23.7980

Conversions

Conversions Part 2

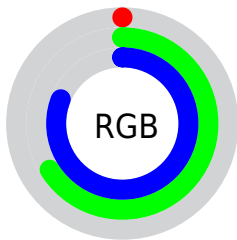
Format	Color
RYB	1, 94, 207
Decimal	109007
CIELab	64.00, -22.77, -29.51
CIELCh	64, 37.273, 232.340
Yxy	32.8017, 0.2080, 0.2687
Android (android.graphics.Color)	4278299087 (0xFF01A9CF)
YUV	123.1000, 41.3627, -107.0817
Hunter-Lab	57.2727, -21.0670, -26.0496

Details

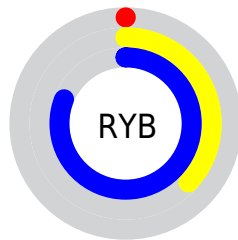
The CIELCh color **64, 37.273, 232.340** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 85.146, 42.829**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.796, 224.998**, and **46, 30.683, 242.446** is the 20% darker color. If you saturate the color by 10%, you get **64, 37.307, 232.505**, and if you desaturate by 10%, it is **65, 36.510, 228.923**.

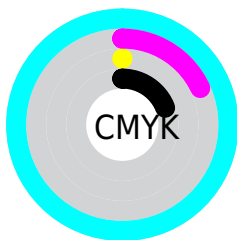
Distribution



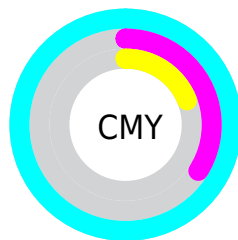
- Red (0%)
- Green (66%)
- Blue (81%)



- Red (0%)
- Yellow (37%)
- Blue (81%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (34%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 37.273, 232.340 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, 37.273, 232.340 by changing the saturation by 10% instead.


 64, 37.273,
232.340


 64, 37.273,
232.340


 100, 37.273,
232.340


 54, 37.273,
232.340


 84, 37.273,
232.340

 44, 37.273,
232.340

 94, 37.273,
232.340

 34, 37.273,
232.340

 24, 37.273,
232.340

 14, 37.273,
232.340

 4, 37.273, 232.340

 0, 37.273, 232.340

■ 64, 37.273,
232.340

■ 64, 37.273,
232.340

■ 64, 37.307,
232.505

■ 65, 36.510,
228.923

■ 67, 35.203,
226.046

■ 68, 33.158,
223.744

■ 70, 30.323,
221.947

■ 72, 26.711,
220.574

■ 74, 22.379,
219.551

■ 76, 17.416,
218.810

■ 78, 11.917,

218.301

■ 81, 5.980, 218.000

Harmonies

Complementary

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



64, 37.273, 232.340



45, 85.146, 42.829

Rectangle

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



64, 37.273, 232.340



64, 37.273, 282.340



64, 37.273, 52.340



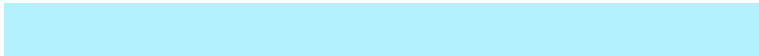
64, 37.273, 102.340

Sweetspot

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



64, 37.272, 232.340



91, 20.910, 218.863



73, 97.051, 138.162



48, 14.028, 219.157



0, 0.000, 0.000



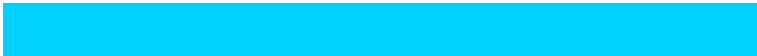
53, 0.007, 296.813

Same Dimension

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



64, 37.272, 232.340



77, 43.723, 233.000



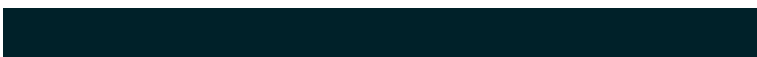
35, 85.965, 297.625



43, 3.595, 217.998



53, 31.982, 231.922



11, 12.215, 224.186

Inverse Universe

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



47, 85.353, 337.269



58, 99.833, 337.449



64, 70.428, 77.097



41, 6.769, 330.544



38, 73.405, 337.158



5, 26.979, 334.932

Previews

White Background



This preview shows how the CIE LCh color 64, 37.273, 232.340 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, 37.273, 232.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

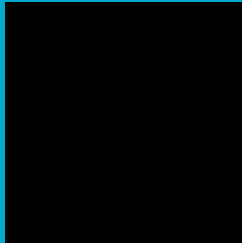
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 37.273, 232.340

Background



This preview shows how black text looks on a background with the CIELCh color 64, 37.273, 232.340.

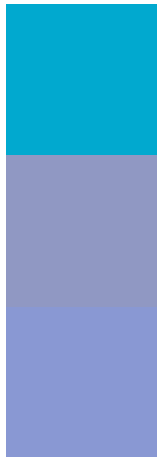


This preview shows how white text looks on a background with the CIELCh color 64, 37.273, 232.340.

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


64, 37.298, 232.311

Protanopia

64, 24.096, 286.324

Deuteranopia

64, 33.099, 285.424



Tritanopia
64, 35.826, 209.426

Trichromacy



Original Color
64, 37.298, 232.311



Protanomaly
62, 29.065, 251.173



Deuteranomaly
63, 33.507, 257.705



Tritanomaly
64, 35.737, 218.191

Monochromacy



Original Color
64, 37.298, 232.311



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.726, 219.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 37.273, 232.340 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, 169, 207)` looks like.

```
.text, #text, p{  
    color:rgb(1, 169, 207)  
}
```

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, 169, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 169, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 37.273, 232.340 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, 169, 207) }
```

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

```
.border{ border-color:rgb(1, 169, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 169, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 169, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 169, 207);  
box-shadow:4px 4px 4px 4px rgb(1, 169,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 37.273, 232.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 169, 207) }
```

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

```
.background{ background-color: rgb(1, 169,  
207) }
```

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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