

Converting Colors

CIELCh(64, 41.009, 245.441)

Have a look what the booklet for
CIELCh(64, 41.009, 245.441)
contains.

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Color

CIELCh(64, 40.938, 245.665)

Conversions

Conversions Part 1

Format	Color
Hex	00A7DD
RGB	0, 167, 221
RGB Percent	0%, 65%, 87%
CMY	1.0000, 0.3456, 0.1338
CMYK	1.00, 0.24, 0.00, 0.13
HSL	195°, 100%, 43%
HSV	195°, 100%, 87%
XYZ	26.8216, 32.8017, 73.2333
YIQ	123.2230, -116.8660, -18.6100

Conversions

Conversions Part 2

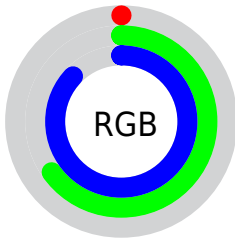
Format	Color
RYB	0, 95, 221
Decimal	42973
CIELab	64.00, -16.87, -37.30
CIELCh	64, 40.938, 245.665
Yxy	32.8017, 0.2019, 0.2469
Android (android.graphics.Color)	4278233053 (0xFF00A7DD)
YUV	123.2230, 48.2041, -108.0666
Hunter-Lab	57.2727, -16.6335, -35.7218

Details

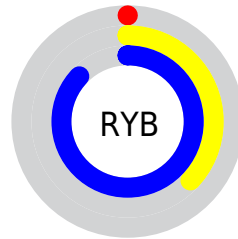
The CIELCh color **64, 40.938, 245.665** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **49, 87.628, 44.704**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.259, 227.552**, and **46, 35.783, 257.006** is the 20% darker color. If you saturate the color by 10%, you get **64, 40.925, 245.685**, and if you desaturate by 10%, it is **66, 39.439, 241.235**.

Distribution



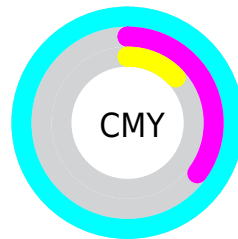
- Red (0%)
- Green (65%)
- Blue (87%)



- Red (0%)
- Yellow (37%)
- Blue (87%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)




- Cyan (100%)
- Magenta (35%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 40.938, 245.665 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, 40.938, 245.665 by changing the saturation by 10% instead.

 64, 40.938,
245.665

 64, 40.938,
245.665


 100, 40.938,
245.665

 54, 40.938,
245.665

 84, 40.938,
245.665

 44, 40.938,
245.665

 94, 40.938,
245.665

 34, 40.938,
245.665

 24, 40.938,
245.665

 14, 40.938,
245.665

 4, 40.938, 245.665

 0, 40.938, 245.665

■ 64, 40.938,
245.665

■ 64, 40.938,
245.665

■ 64, 40.925,
245.685

■ 66, 39.439,
241.235

■ 68, 37.568,
237.365

■ 70, 35.081,
234.184

■ 72, 31.890,
231.633

■ 74, 27.985,
229.625

■ 77, 23.406,
228.067

■ 79, 18.229,
226.874

■ 82, 12.543,

225.977

■ 85, 6.439, 225.336

Harmonies

Complementary

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



64, 40.938, 245.665



49, 87.628, 44.704

Rectangle

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



64, 40.938, 245.665



64, 40.938, 295.665



64, 40.938, 65.665



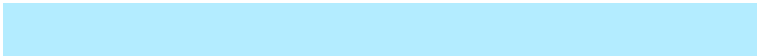
64, 40.938, 115.665

Sweetspot

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



64, 40.925, 245.685



90, 20.465, 226.899



77, 99.773, 139.108



47, 13.750, 227.370



0, 0.000, 0.000



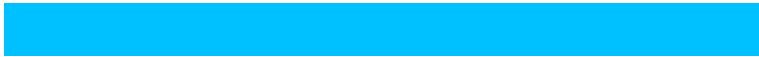
53, 0.007, 296.813

Same Dimension

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



64, 40.925, 245.685



73, 45.715, 246.099



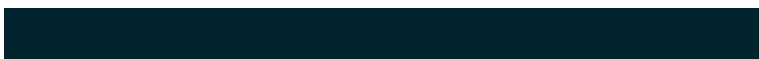
35, 97.917, 300.270



45, 3.639, 225.308



51, 34.019, 244.855



12, 13.225, 235.882

Inverse Universe

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



50, 85.797, 341.178



57, 95.499, 341.311



70, 74.790, 81.598



43, 6.747, 332.712



39, 71.821, 340.913



6, 29.102, 338.246

Previews

White Background



This preview shows how the CIE LCh color 64, 40.938, 245.665 looks on a white background.

Color Contrast Check

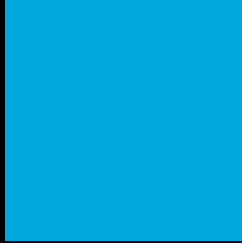
Large Text (above 18pt) WCAG AA × Fail

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, 40.938, 245.665 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, 40.938, 245.665

Background



This preview shows how black text looks on a background with the CIELCh color 64, 40.938, 245.665.

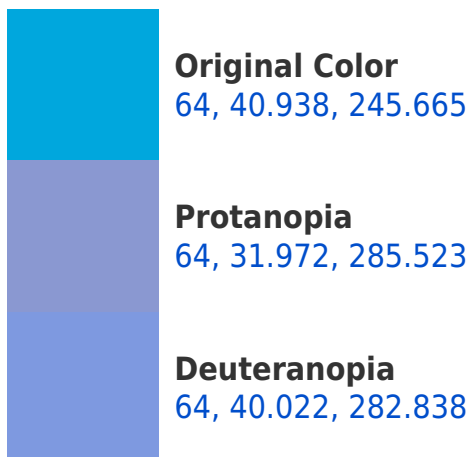


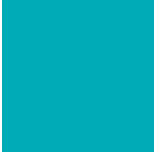
This preview shows how white text looks on a background with the CIELCh color 64, 40.938, 245.665.

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, 35.865, 208.468

Trichromacy



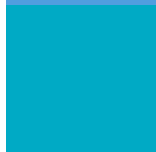
Original Color
64, 40.938, 245.665



Protanomaly
63, 35.546, 261.404



Deuteranomaly
63, 40.281, 264.137



Tritanomaly
64, 36.002, 222.012

Monochromacy



Original Color
64, 40.938, 245.665



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 21.841, 229.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 40.938, 245.665 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, 167, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 221)  
}
```

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, 167, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 40.938, 245.665 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, 167, 221) }
```

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

```
.border{ border-color:rgb(0, 167, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 40.938, 245.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 221) }
```

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

```
.background{ background-color: rgb(0, 167,  
221) }
```

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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