

Converting Colors

CIELCh(63, 44.502, 235.703)

Have a look what the booklet for
CIELCh(63, 44.502, 235.703)
contains.

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Color

CIELCh(64, 39.645, 241.659)

Conversions

Conversions Part 1

Format	Color
Hex	00A8D9
RGB	0, 168, 217
RGB Percent	0%, 66%, 85%
CMY	1.0000, 0.3430, 0.1509
CMYK	1.00, 0.23, 0.00, 0.15
HSL	194°, 100%, 42%
HSV	194°, 100%, 85%
XYZ	26.3458, 32.8017, 70.2559
YIQ	123.3540, -115.8570, -20.3770

Conversions

Conversions Part 2

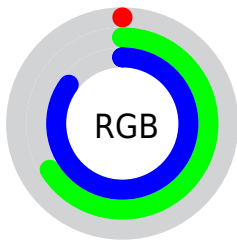
Format	Color
RYB	0, 95, 217
Decimal	43225
CIELab	64.00, -18.82, -34.89
CIELCh	64, 39.645, 241.659
Yxy	32.8017, 0.2036, 0.2535
Android (android.graphics.Color)	4278233305 (0xFF00A8D9)
YUV	123.3540, 46.1675, -108.1815
Hunter-Lab	57.2727, -18.1164, -32.6396

Details

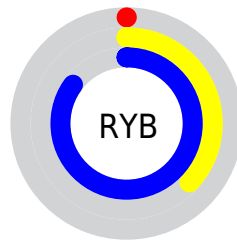
The CIELCh color **64, 39.645, 241.659** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **48, 87.021, 44.087**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.442, 226.337**, and **46, 33.903, 252.520** is the 20% darker color. If you saturate the color by 10%, you get **64, 39.590, 241.737**, and if you desaturate by 10%, it is **66, 38.372, 237.555**.

Distribution



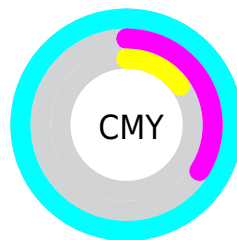
- Red (0%)
- Green (66%)
- Blue (85%)



- Red (0%)
- Yellow (37%)
- Blue (85%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (34%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 39.645, 241.659 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, 39.645, 241.659 by changing the saturation by 10% instead.

 64, 39.645,
241.659

 64, 39.645,
241.659


 100, 39.645,
241.659


 54, 39.645,
241.659


 84, 39.645,
241.659

 44, 39.645,
241.659

 94, 39.645,
241.659

 34, 39.645,
241.659

 24, 39.645,
241.659

 14, 39.645,
241.659

 4, 39.645, 241.659

 0, 39.645, 241.659

■ 64, 39.645,
241.659

■ 64, 39.645,
241.659

■ 64, 39.590,
241.737

■ 66, 38.372,
237.555

■ 67, 36.721,
233.950

■ 69, 34.412,
231.012

■ 71, 31.368,
228.674

■ 73, 27.584,
226.848

■ 76, 23.109,
225.445

■ 78, 18.021,
224.385

■ 81, 12.413,

223.602

■ 84, 6.378, 223.061

Harmonies

Complementary

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



64, 39.645, 241.659



48, 87.021, 44.087

Rectangle

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



64, 39.645, 241.659



64, 39.645, 291.659



64, 39.645, 61.659



64, 39.645, 111.659

Sweetspot

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



64, 39.590, 241.737



91, 20.559, 224.410



76, 99.133, 138.747



47, 13.806, 224.828



0, 0.000, 0.000



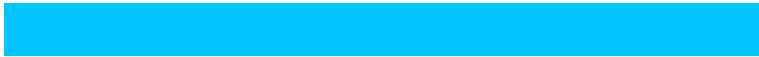
53, 0.007, 296.813

Same Dimension

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



64, 39.590, 241.737



74, 44.878, 242.189



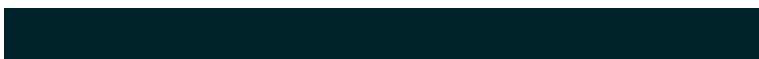
35, 94.176, 299.496



44, 3.593, 223.038



51, 33.080, 240.956



11, 12.684, 232.043

Inverse Universe

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



49, 85.655, 339.947



57, 96.768, 340.084



68, 73.398, 80.064



42, 6.704, 332.030



38, 71.979, 339.712



6, 27.903, 337.148

Previews

White Background



This preview shows how the CIELCh color 64, 39.645, 241.659 looks on a white background.

Color Contrast Check

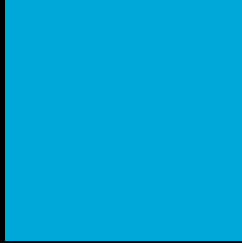
Large Text (above 18pt) WCAG AA × Fail

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, 39.645, 241.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

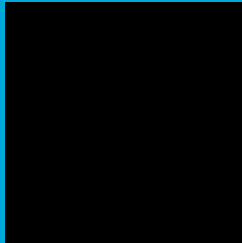
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 39.645, 241.659

Background



This preview shows how black text looks on a background with the CIELCh color 64, 39.645, 241.659.



This preview shows how white text looks on a background with the CIELCh color 64, 39.645, 241.659.

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



Trichromacy



Original Color
64, 39.645, 241.659

Protanomaly
63, 33.398, 258.018

Deuteranomaly
63, 38.349, 262.396

Monochromacy



Original Color
64, 39.645, 241.659

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 21.450, 226.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 39.645, 241.659 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, 168, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 217)  
}
```

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, 168, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 39.645, 241.659 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, 168, 217) }
```

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

```
.border{ border-color:rgb(0, 168, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 39.645, 241.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 217) }
```

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

```
.background{ background-color: rgb(0, 168,  
217) }
```

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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