

Converting Colors

CIELCh(62, 44.476, 223.412)

Have a look what the booklet for
CIELCh(62, 44.476, 223.412)
contains.

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Color

CIELCh(63, 36.722, 230.859)

Conversions

Conversions Part 1

Format	Color
Hex	00A6CA
RGB	0, 166, 202
RGB Percent	0%, 65%, 79%
CMY	1.0000, 0.3483, 0.2072
CMYK	1.00, 0.18, 0.00, 0.21
HSL	191°, 100%, 40%
HSV	191°, 100%, 79%
XYZ	24.2992, 31.5869, 60.7937
YIQ	120.4700, -110.4920, -23.9960

Conversions

Conversions Part 2

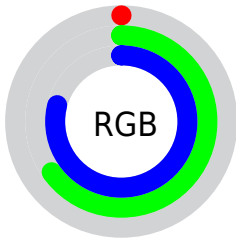
Format	Color
RYB	0, 91, 202
Decimal	42698
CIELab	63.00, -23.18, -28.48
CIELCh	63, 36.722, 230.859
Yxy	31.5869, 0.2083, 0.2707
Android (android.graphics.Color)	4278232778 (0xFF00A6CA)
YUV	120.4700, 40.1943, -105.6522
Hunter-Lab	56.2022, -21.1791, -24.7921

Details

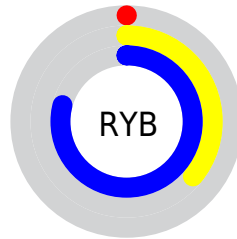
The CIELCh color **63, 36.722, 230.859** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **44, 84.215, 42.726**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.863, 227.995**, and **44, 29.788, 241.141** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.613, 230.978**, and if you desaturate by 10%, it is **64, 35.919, 227.694**.

Distribution



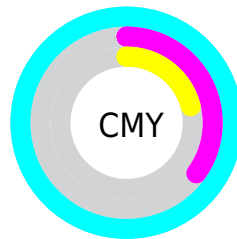
- Red (0%)
- Green (65%)
- Blue (79%)



- Red (0%)
- Yellow (36%)
- Blue (79%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (35%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.722, 230.859 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 63, 36.722, 230.859 by changing the saturation by 10% instead.


 63, 36.722,
230.859


 63, 36.722,
230.859


 100, 36.722,
230.859


 53, 36.722,
230.859


 83, 36.722,
230.859

 43, 36.722,
230.859

 93, 36.722,
230.859

 33, 36.722,
230.859

 23, 36.722,
230.859

 13, 36.722,
230.859

 3, 36.722, 230.859

 0, 36.722, 230.859

■ 63, 36.722,
230.859

■ 63, 36.722,
230.859

■ 63, 36.613,
230.978

■ 64, 35.919,
227.694

■ 66, 34.699,
224.916

■ 67, 32.745,
222.697

■ 69, 30.006,
220.967

■ 70, 26.493,
219.650

■ 72, 22.265,
218.673

■ 74, 17.406,
217.972

■ 77, 12.012,

217.495

■ 79, 6.181, 217.220

Harmonies

Complementary

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



63, 36.722, 230.859



44, 84.215, 42.726

Rectangle

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



63, 36.722, 230.859



63, 36.722, 280.859



63, 36.722, 50.859



63, 36.722, 100.859

Sweetspot

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



63, 36.613, 230.978



92, 20.983, 217.996



71, 96.270, 137.819



48, 14.075, 218.269



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 36.613, 230.978



78, 43.637, 231.512



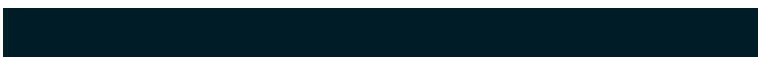
35, 82.650, 296.826



42, 3.537, 217.211



52, 31.575, 230.428



10, 11.781, 222.528

Inverse Universe

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



46, 84.396, 336.906



58, 100.345, 337.048



62, 69.283, 75.451



40, 6.664, 330.313



38, 72.957, 336.759



5, 25.112, 334.334

Previews

White Background



This preview shows how the CIELCh color 63, 36.722, 230.859 looks on a white background.

Color Contrast Check

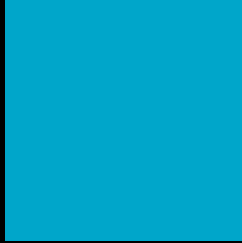
Large Text (above 18pt) WCAG AA × Fail

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 63, 36.722, 230.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

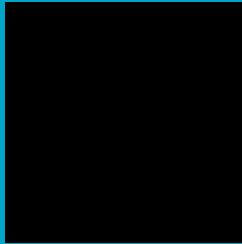
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.722, 230.859

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.722, 230.859.

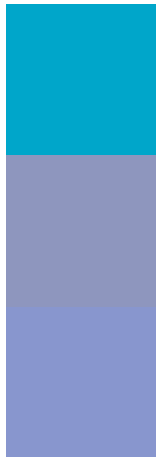


This preview shows how white text looks on a background with the CIELCh color 63, 36.722, 230.859.

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

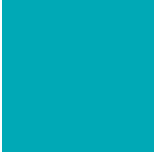
63, 36.593, 231.039

Protanopia

63, 22.495, 285.658

Deuteranopia

63, 31.498, 285.361



Tritanopia
63, 35.548, 208.604

Trichromacy



Original Color
63, 36.593, 231.039



Protanomaly
62, 27.980, 248.570



Deuteranomaly
62, 32.594, 256.747



Tritanomaly
63, 35.355, 216.487

Monochromacy



Original Color
63, 36.593, 231.039



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 20.595, 221.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.722, 230.859 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, 166, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 202)  
}
```

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, 166, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.722, 230.859 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, 166, 202) }
```

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

```
.border{ border-color:rgb(0, 166, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.722, 230.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 202) }
```

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

```
.background{ background-color: rgb(0, 166,  
202) }
```

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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