

Converting Colors

CIELCh(63, 38.186, 238.040)

Have a look what the booklet for
CIELCh(63, 38.186, 238.040)
contains.

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Color

CIELCh(63, 38.082, 238.232)

Conversions

Conversions Part 1

Format	Color
Hex	01A5D1
RGB	1, 165, 209
RGB Percent	0%, 65%, 82%
CMY	0.9964, 0.3523, 0.1797
CMYK	1.00, 0.21, 0.00, 0.18
HSL	193°, 99%, 41%
HSV	193°, 100%, 82%
XYZ	25.0254, 31.5869, 65.2104
YIQ	120.9800, -111.8680, -21.0840

Conversions

Conversions Part 2

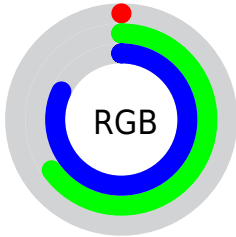
Format	Color
RYB	1, 93, 209
Decimal	107985
CIELab	63.00, -20.05, -32.38
CIELCh	63, 38.082, 238.232
Yxy	31.5869, 0.2054, 0.2593
Android (android.graphics.Color)	4278298065 (0xFF01A5D1)
YUV	120.9800, 43.3939, -105.2225
Hunter-Lab	56.2022, -18.8724, -29.4515

Details

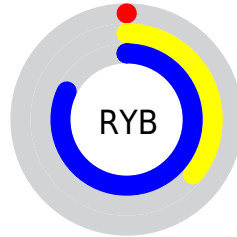
The CIELCh color **63, 38.082, 238.232** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **46, 84.981, 43.626**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.704, 229.203**, and **44, 31.862, 248.814** is the 20% darker color. If you saturate the color by 10%, you get **63, 38.126, 238.407**, and if you desaturate by 10%, it is **64, 37.053, 234.325**.

Distribution



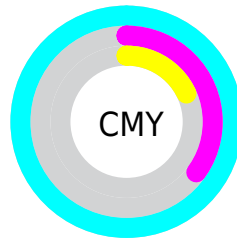
- Red (0%)
- Green (65%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



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





- Cyan (100%)
- Magenta (35%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 38.082, 238.232 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, 38.082, 238.232 by changing the saturation by 10% instead.


 63, 38.082,
238.232


 63, 38.082,
238.232


 100, 38.082,
238.232


 53, 38.082,
238.232


 83, 38.082,
238.232

 43, 38.082,
238.232

 93, 38.082,
238.232

 33, 38.082,
238.232

 23, 38.082,
238.232

 13, 38.082,
238.232

 3, 38.082, 238.232

 0, 38.082, 238.232

■ 63, 38.082,
238.232

■ 63, 38.082,
238.232

■ 63, 38.126,
238.407

■ 64, 37.053,
234.325

■ 66, 35.545,
230.997

■ 68, 33.354,
228.305

■ 70, 30.416,
226.178

■ 72, 26.735,
224.529

■ 74, 22.364,
223.274

■ 76, 17.385,
222.339

■ 79, 11.890,

221.662

■ 81, 5.972, 221.215

Harmonies

Complementary

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



63, 38.082, 238.232



46, 84.981, 43.626

Rectangle

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



63, 38.082, 238.232



63, 38.082, 288.232



63, 38.082, 58.232



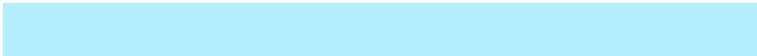
63, 38.082, 108.232

Sweetspot

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



63, 38.081, 238.232



91, 20.663, 222.402



73, 97.146, 138.483



47, 13.870, 222.775



0, 0.000, 0.000



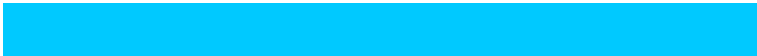
53, 0.007, 296.813

Same Dimension

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



63, 38.081, 238.232



75, 44.343, 238.933



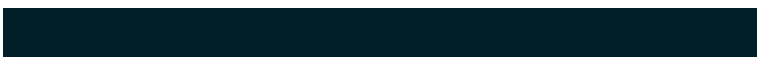
34, 88.997, 298.505



43, 3.546, 221.210



51, 32.363, 237.713



11, 12.199, 228.831

Inverse Universe

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



47, 84.383, 338.911



58, 97.838, 339.116



65, 71.204, 78.645



41, 6.642, 331.487



38, 71.969, 338.763



5, 26.424, 336.201

Previews

White Background



This preview shows how the CIE LCh color 63, 38.082, 238.232 looks on a white background.

Color Contrast Check

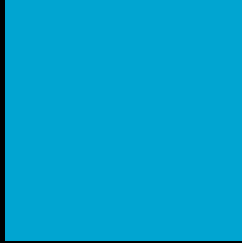
Large Text (above 18pt) WCAG AA × Fail

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, 38.082, 238.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

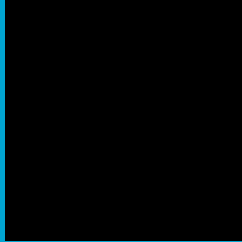
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 38.082, 238.232

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.082, 238.232.

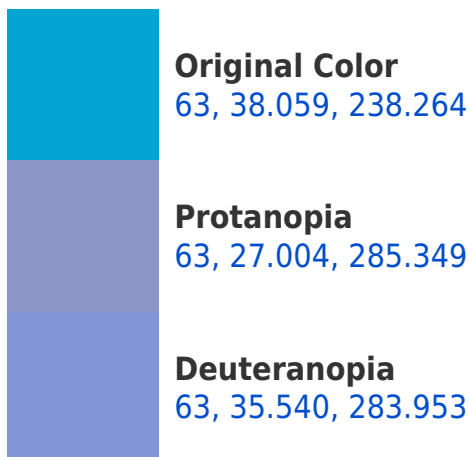


This preview shows how white text looks on a background with the CIELCh color 63, 38.082, 238.232.

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
63, 38.059, 238.264

Protanomaly
62, 31.147, 255.128

Deuteranomaly
62, 35.940, 260.343

Monochromacy



Original Color
63, 38.059, 238.264

Achromatopsia
51, 0.007, 296.813

Achromatomaly
54, 20.881, 224.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.082, 238.232 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, 165, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 165, 209)  
}
```

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, 165, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 165, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.082, 238.232 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, 165, 209) }
```

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

```
.border{ border-color:rgb(1, 165, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 165, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 165, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 165, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 165,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.082, 238.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 165, 209) }
```

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

```
.background{ background-color: rgb(1, 165,  
209) }
```

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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