

Converting Colors

CIELCh(56, 93.161, 207.453)

Have a look what the booklet for
CIELCh(56, 93.161, 207.453)
contains.

CIELCh(63, 37.453, 234.412)	3
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Color

CIELCh(63, 37.453, 234.412)

Conversions

Conversions Part 1

Format	Color
Hex	00A6CE
RGB	0, 166, 206
RGB Percent	0%, 65%, 81%
CMY	1.0000, 0.3499, 0.1933
CMYK	1.00, 0.19, 0.00, 0.19
HSL	192°, 100%, 40%
HSV	192°, 100%, 81%
XYZ	24.6185, 31.5869, 63.0086
YIQ	120.9260, -111.7760, -22.7520

Conversions

Conversions Part 2

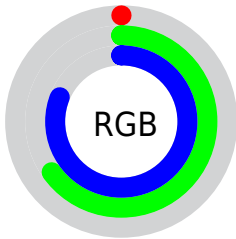
Format	Color
RYB	0, 92, 206
Decimal	42702
CIELab	63.00, -21.80, -30.46
CIELCh	63, 37.453, 234.412
Yxy	31.5869, 0.2065, 0.2650
Android (android.graphics.Color)	4278232782 (0xFF00A6CE)
YUV	120.9260, 41.9415, -106.0521
Hunter-Lab	56.2022, -20.1648, -27.1287

Details

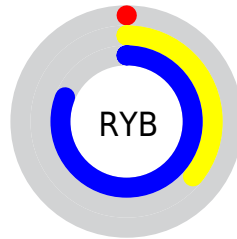
The CIELCh color **63, 37.453, 234.412** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 84.807, 43.154**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.710, 228.147**, and **45, 30.970, 245.468** is the 20% darker color. If you saturate the color by 10%, you get **63, 37.293, 234.607**, and if you desaturate by 10%, it is **64, 36.456, 231.000**.

Distribution



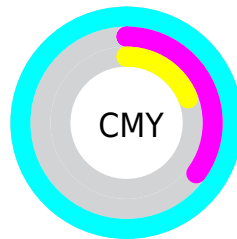
- Red (0%)
- Green (65%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



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





- Cyan (100%)
- Magenta (35%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.453, 234.412 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, 37.453, 234.412 by changing the saturation by 10% instead.


 63, 37.453,
234.412


 63, 37.453,
234.412


 100, 37.453,
234.412


 53, 37.453,
234.412


 83, 37.453,
234.412

 43, 37.453,
234.412

 93, 37.453,
234.412

 33, 37.453,
234.412

 23, 37.453,
234.412

 13, 37.453,
234.412

 3, 37.453, 234.412

 0, 37.453, 234.412

■ 63, 37.453,
234.412

■ 63, 37.453,
234.412

■ 63, 37.293,
234.607

■ 64, 36.456,
231.000

■ 66, 35.122,
227.933

■ 67, 33.078,
225.466

■ 69, 30.265,
223.529

■ 71, 26.691,
222.040

■ 73, 22.411,
220.920

■ 75, 17.508,
220.098

■ 78, 12.076,

219.519

■ 80, 6.211, 219.155

Harmonies

Complementary

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



63, 37.453, 234.412



45, 84.807, 43.154

Rectangle

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



63, 37.453, 234.412



63, 37.453, 284.412



63, 37.453, 54.412



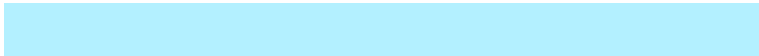
63, 37.453, 104.412

Sweetspot

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



63, 37.293, 234.607



91, 20.812, 220.124



72, 96.857, 138.109



48, 13.965, 220.446



0, 0.000, 0.000



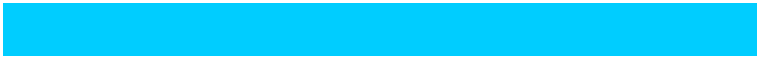
53, 0.007, 296.813

Same Dimension

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



63, 37.293, 234.607



77, 43.895, 235.140



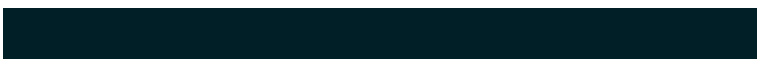
34, 86.033, 297.761



42, 3.505, 219.141



51, 31.722, 233.959



10, 11.748, 225.283

Inverse Universe

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



47, 84.446, 337.890



58, 99.106, 338.038



63, 70.280, 76.999



40, 6.588, 330.877



37, 72.077, 337.711



5, 24.776, 335.099

Previews

White Background



This preview shows how the CIE LCh color 63, 37.453, 234.412 looks on a white background.

Color Contrast Check

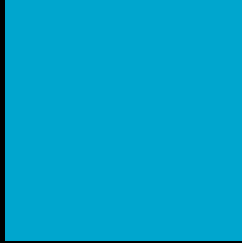
Large Text (above 18pt) WCAG AA × Fail

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, 37.453, 234.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

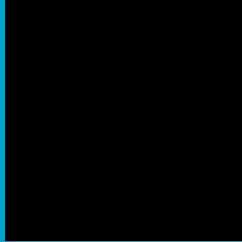
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 37.453, 234.412

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.453, 234.412.

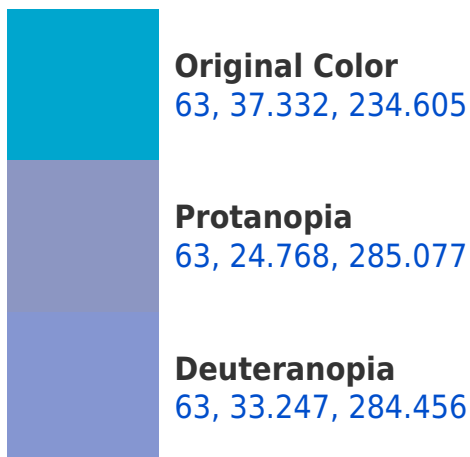


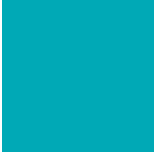
This preview shows how white text looks on a background with the CIELCh color 63, 37.453, 234.412.

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
63, 35.548, 208.604

Trichromacy



Original Color
63, 37.332, 234.605



Protanomaly
62, 29.589, 251.836



Deuteranomaly
62, 34.050, 258.267



Tritanomaly
63, 35.438, 218.434

Monochromacy



Original Color
63, 37.332, 234.605



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 20.730, 222.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.453, 234.412 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.453, 234.412 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, 206) }
```

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

```
.border{ border-color:rgb(0, 166, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.453, 234.412 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, 206) }
```

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

```
.background{ background-color: rgb(0, 166,  
206) }
```

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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