

Converting Colors

CIELCh(62, 41.141, 230.872)

Have a look what the booklet for
CIELCh(62, 41.141, 230.872)
contains.

CIELCh(63, 37.211, 234.800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 37.211, 234.800)

Conversions

Conversions Part 1

Format	Color
Hex	03A6CE
RGB	3, 166, 206
RGB Percent	1%, 65%, 81%
CMY	0.9876, 0.3506, 0.1936
CMYK	0.98, 0.19, 0.00, 0.19
HSL	192°, 97%, 41%
HSV	192°, 98%, 81%
XYZ	24.6988, 31.5869, 62.9509
YIQ	121.8230, -109.9880, -22.1160

Conversions

Conversions Part 2

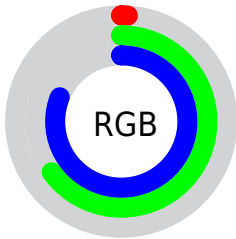
Format	Color
R_{YB}	3, 93, 206
Decimal	239310
CIE _{Lab}	63.00, -21.45, -30.41
CIE _{LCh}	63, 37.211, 234.800
Yxy	31.5869, 0.2071, 0.2649
Android (android.graphics.Color)	4278429390 (0xFF03A6CE)
YUV	121.8230, 41.4993, -104.2078
Hunter-Lab	56.2022, -19.9097, -27.0679

Details

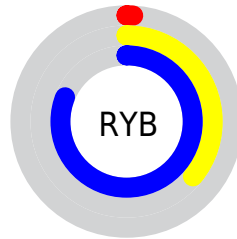
The CIELCh color **63, 37.211, 234.800** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 83.591, 43.153**, and the grayscale version is **51, 0.007, 296.813**.

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, 37.342, 235.373**, and if you desaturate by 10%, it is **64, 36.302, 231.180**.

Distribution



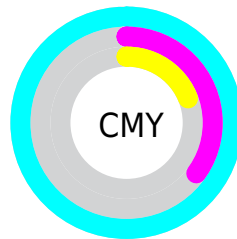
- Red (1%)
- Green (65%)
- Blue (81%)



- Red (1%)
- Yellow (36%)
- Blue (81%)



- Cyan (98%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)





- Cyan (99%)
- Magenta (35%)
- Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 37.211, 234.800 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, 37.211, 234.800 by changing the saturation by 10% instead.


 63, 37.211,
234.800


 63, 37.211,
234.800


 100, 37.211,
234.800


 53, 37.211,
234.800


 83, 37.211,
234.800

 43, 37.211,
234.800

 93, 37.211,
234.800

 33, 37.211,
234.800

 23, 37.211,
234.800

 13, 37.211,
234.800

 3, 37.211, 234.800

 0, 37.211, 234.800

■ 63, 37.211,
234.800

■ 63, 37.211,
234.800

■ 63, 37.342,
235.373

■ 64, 36.302,
231.180

■ 66, 34.842,
228.151

■ 68, 32.666,
225.722

■ 69, 29.725,
223.818

■ 71, 26.035,
222.356

■ 73, 21.654,
221.257

■ 76, 16.669,
220.451

■ 78, 11.173,

219.885

■ 80, 5.261, 219.539

Harmonies

Complementary

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



63, 37.211, 234.800



45, 83.591, 43.153

Rectangle

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



63, 37.211, 234.800



63, 37.211, 284.800



63, 37.211, 54.800



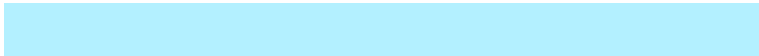
63, 37.211, 104.800

Sweetspot

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



63, 37.210, 234.800



91, 20.779, 220.586



72, 96.172, 138.303



47, 13.944, 220.918



0, 0.000, 0.000



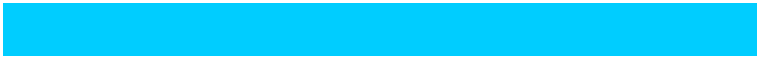
53, 0.007, 296.813

Same Dimension

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



63, 37.210, 234.800



76, 43.972, 235.917



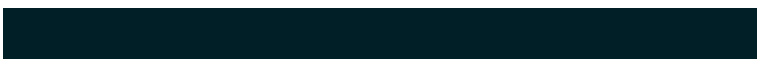
35, 84.592, 297.273



42, 3.498, 219.560



51, 31.768, 234.715



10, 11.744, 225.880

Inverse Universe

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



47, 84.091, 337.937



58, 98.844, 338.254



64, 69.851, 77.353



40, 6.572, 331.000



37, 71.891, 337.920



5, 24.705, 335.267

Previews

White Background



This preview shows how the CIELCh color 63, 37.211, 234.800 looks on a white background.

Color Contrast Check

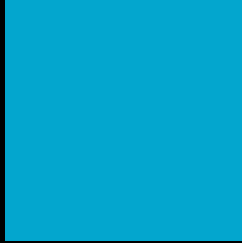
Large Text (above 18pt) WCAG AA × Fail

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, 37.211, 234.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

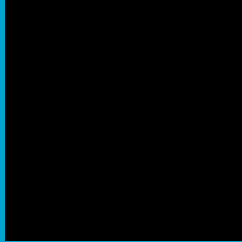
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 37.211, 234.800

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.211, 234.800.

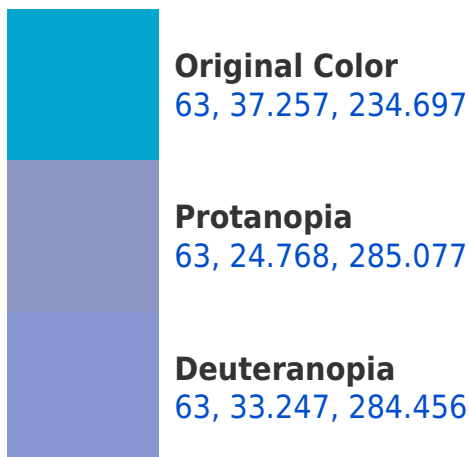


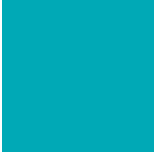
This preview shows how white text looks on a background with the CIELCh color 63, 37.211, 234.800.

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, 37.257, 234.697



Protanomaly
62, 29.457, 252.190



Deuteranomaly
62, 33.946, 258.568



Tritanomaly
63, 35.407, 218.456

Monochromacy



Original Color
63, 37.257, 234.697



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 20.367, 221.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.211, 234.800 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(3, 166, 206)` looks like.

```
.text, #text, p{  
    color:rgb(3, 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(3, 166, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 166, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.211, 234.800 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(3, 166, 206) }
```

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

```
.border{ border-color:rgb(3, 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(3, 166, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 166, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 166, 206);  
box-shadow:4px 4px 4px 4px rgb(3, 166,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.211, 234.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 166, 206) }
```

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

```
.background{ background-color: rgb(3, 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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