

Converting Colors

CIELCh(63, 36.360, 230.759)

Have a look what the booklet for
CIELCh(63, 36.360, 230.759)
contains.

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Color

CIELCh(63, 36.435, 231.217)

Conversions

Conversions Part 1

Format	Color
Hex	06A6CA
RGB	6, 166, 202
RGB Percent	2%, 65%, 79%
CMY	0.9758, 0.3489, 0.2077
CMYK	0.97, 0.18, 0.00, 0.21
HSL	191°, 94%, 41%
HSV	191°, 97%, 79%
XYZ	24.3815, 31.5869, 60.7057
YIQ	122.2640, -106.9160, -22.7240

Conversions

Conversions Part 2

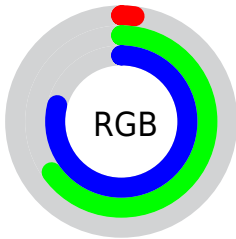
Format	Color
RYB	6, 94, 202
Decimal	435914
CIELab	63.00, -22.82, -28.40
CIELCh	63, 36.435, 231.217
Yxy	31.5869, 0.2090, 0.2707
Android (android.graphics.Color)	4278625994 (0xFF06A6CA)
YUV	122.2640, 39.3098, -101.9635
Hunter-Lab	56.2022, -20.9175, -24.6993

Details

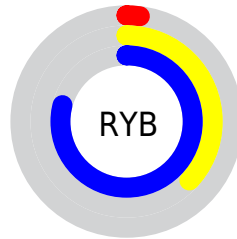
The CIELCh color **63, 36.435, 231.217** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 81.901, 42.654**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.710, 228.147**, and **44, 29.788, 241.141** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.650, 232.272**, and if you desaturate by 10%, it is **64, 35.595, 227.930**.

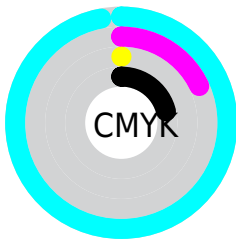
Distribution



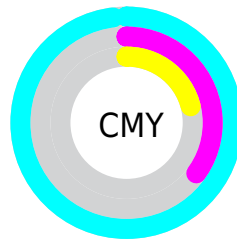
- Red (2%)
- Green (65%)
- Blue (79%)



- Red (2%)
- Yellow (37%)
- Blue (79%)



- Cyan (97%)
- Magenta (18%)
- Yellow (0%)
- Black (21%)





- Cyan (98%)
- Magenta (35%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.435, 231.217 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, 36.435, 231.217 by changing the saturation by 10% instead.


 63, 36.435,
231.217


 63, 36.435,
231.217


 100, 36.435,
231.217


 53, 36.435,
231.217


 83, 36.435,
231.217

 43, 36.435,
231.217

 93, 36.435,
231.217

 33, 36.435,
231.217

 23, 36.435,
231.217

 13, 36.435,
231.217

 3, 36.435, 231.217

 0, 36.435, 231.217

■ 63, 36.435,
231.217

■ 63, 36.435,
231.217

■ 63, 36.650,
232.272

■ 64, 35.595,
227.930

■ 66, 34.131,
225.231

■ 67, 31.921,
223.087

■ 69, 28.932,
221.422

■ 71, 25.193,
220.159

■ 73, 20.770,
219.225

■ 75, 15.750,
218.556

■ 77, 10.231,

218.107

■ 80, 4.307, 217.876

Harmonies

Complementary

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



63, 36.435, 231.217



45, 81.901, 42.654

Rectangle

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



63, 36.435, 231.217



63, 36.435, 281.217



63, 36.435, 51.217



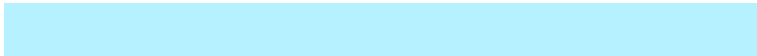
63, 36.435, 101.217

Sweetspot

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



63, 36.434, 231.217



92, 20.298, 218.698



71, 94.199, 138.523



48, 13.697, 218.983



0, 0.000, 0.000



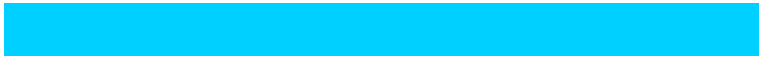
53, 0.007, 296.813

Same Dimension

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



63, 36.434, 231.217



78, 43.711, 232.825



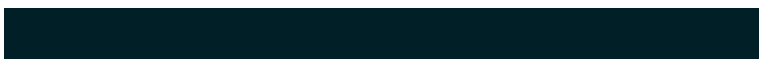
35, 82.008, 296.738



42, 3.525, 217.905



52, 31.615, 231.705



10, 11.766, 223.521

Inverse Universe

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



46, 83.737, 336.956



58, 99.893, 337.402



63, 68.540, 77.735



40, 6.636, 330.515



38, 72.636, 337.100



5, 24.990, 334.608

Previews

White Background



This preview shows how the CIE LCh color 63, 36.435, 231.217 looks on a white background.

Color Contrast Check

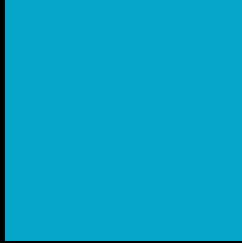
Large Text (above 18pt) WCAG AA × Fail

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, 36.435, 231.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

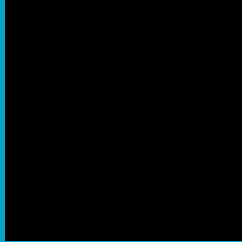
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.435, 231.217

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.435, 231.217.

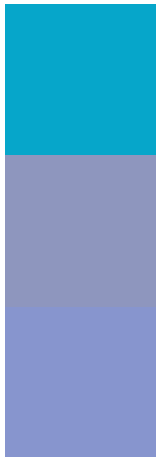


This preview shows how white text looks on a background with the CIELCh color 63, 36.435, 231.217.

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

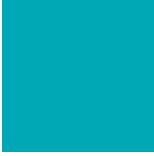
63, 36.435, 231.217

Protanopia

63, 22.495, 285.658

Deuteranopia

63, 32.083, 285.610



Tritanopia
63, 35.353, 209.647

Trichromacy



Original Color
63, 36.435, 231.217



Protanomaly
62, 27.541, 249.699



Deuteranomaly
62, 32.798, 258.196



Tritanomaly
63, 35.178, 217.623

Monochromacy



Original Color
63, 36.435, 231.217



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 20.005, 219.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.435, 231.217 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(6, 166, 202)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 166, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 166, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.435, 231.217 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(6, 166, 202) }
```

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

```
.border{ border-color:rgb(6, 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(6, 166, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 166, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 166, 202);  
box-shadow:4px 4px 4px 4px rgb(6, 166,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.435, 231.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 166, 202) }
```

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

```
.background{ background-color: rgb(6, 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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