

Converting Colors

CIELCh(63, 36.677, 196.398)

Have a look what the booklet for
CIELCh(63, 36.677, 196.398)
contains.

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Color

CIELCh(63, 36.730, 196.406)

Conversions

Conversions Part 1

Format	Color
Hex	06AAAA
RGB	6, 170, 170
RGB Percent	2%, 67%, 67%
CMY	0.9769, 0.3343, 0.3343
CMYK	0.97, 0.00, 0.00, 0.33
HSL	180°, 93%, 34%
HSV	180°, 97%, 67%
XYZ	21.6339, 31.5869, 42.8650
YIQ	120.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

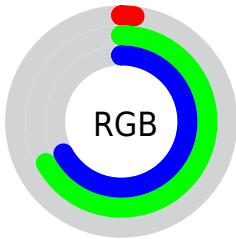
Format	Color
RYB	6, 88, 170
Decimal	436906
CIELab	63.00, -35.23, -10.37
CIELCh	63, 36.730, 196.406
Yxy	31.5869, 0.2252, 0.3287
Android (android.graphics.Color)	4278626986 (0xFF06AAAA)
YUV	120.9640, 24.1747, -100.8234
Hunter-Lab	56.2022, -29.6440, -5.8785

Details

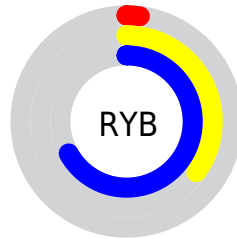
The CIELCh color **63, 36.730, 196.406** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 75.020, 38.888**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 36.891, 196.113**, and **44, 28.028, 197.653** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.946, 196.388**, and if you desaturate by 10%, it is **63, 35.924, 196.467**.

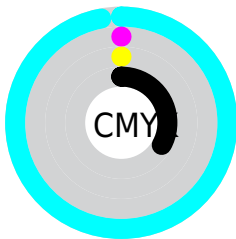
Distribution



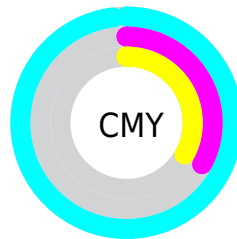
- Red (2%)
- Green (67%)
- Blue (67%)



- Red (2%)
- Yellow (35%)
- Blue (67%)



- Cyan (97%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)





- Cyan (98%)
- Magenta (33%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 36.730, 196.406 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, 36.730, 196.406 by changing the saturation by 10% instead.

 63, 36.730,
196.406


 63, 36.730,
196.406


 100, 36.730,
196.406


 53, 36.730,
196.406


 83, 36.730,
196.406

 43, 36.730,
196.406

 93, 36.730,
196.406

 33, 36.730,
196.406

 23, 36.730,
196.406

 13, 36.730,
196.406

 3, 36.730, 196.406

 0, 36.730, 196.406

■ 63, 36.730,
196.406

■ 63, 36.730,
196.406

■ 63, 36.946,
196.388

■ 63, 35.924,
196.467

■ 63, 34.438,
196.583

■ 64, 32.183,
196.760

■ 64, 29.145,
197.001

■ 65, 25.348,
197.307

■ 66, 20.857,
197.675

■ 66, 15.755,
198.103

■ 67, 10.139,

198.589

■ 69, 4.111, 199.172

Harmonies

Complementary

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



63, 36.730, 196.406



35, 75.020, 38.888

Rectangle

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



63, 36.730, 196.406



63, 36.730, 246.406



63, 36.730, 16.406



63, 36.730, 66.406

Sweetspot

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



63, 36.729, 196.405



84, 21.177, 197.968



61, 87.442, 136.168



45, 14.411, 197.791



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 36.729, 196.405



80, 45.110, 196.388



38, 51.044, 282.305



35, 3.516, 198.992



55, 33.387, 196.388



5, 6.572, 199.423

Inverse Universe

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



40, 84.495, 328.205



53, 104.026, 328.233



46, 61.102, 61.588



33, 6.429, 324.921



35, 76.992, 328.233



2, 11.673, 324.439

Previews

White Background



This preview shows how the CIELCh color 63, 36.730, 196.406 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 CIE LCh color 63, 36.730, 196.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

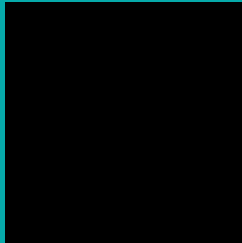
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.730, 196.406

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.730, 196.406.

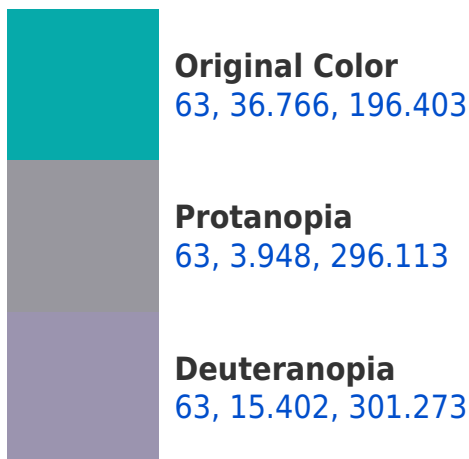


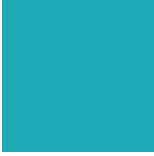
This preview shows how white text looks on a background with the CIELCh color 63, 36.730, 196.406.

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



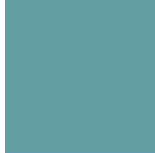


Tritanopia
63, 33.838, 210.347

Trichromacy



Original Color
63, 36.766, 196.403



Protanomaly
61, 19.844, 204.277



Deuteranomaly
61, 19.910, 226.993



Tritanomaly
63, 34.865, 205.045

Monochromacy



Original Color
63, 36.766, 196.403



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 20.381, 197.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.730, 196.406 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, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(6, 170, 170)  
}
```

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, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.730, 196.406 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, 170, 170) }
```

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

```
.border{ border-color:rgb(6, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(6, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.730, 196.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 170, 170) }
```

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

```
.background{ background-color: rgb(6, 170,  
170) }
```

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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