

Converting Colors

CIELCh(63, 36.070, 231.729)

Have a look what the booklet for
CIELCh(63, 36.070, 231.729)
contains.

CIELCh(63, 36.070, 231.632)	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>	26

Color

CIELCh(63, 36.070, 231.632)

Conversions

Conversions Part 1

Format	Color
Hex	11A6CA
RGB	17, 166, 202
RGB Percent	7%, 65%, 79%
CMY	0.9318, 0.3497, 0.2085
CMYK	0.91, 0.18, 0.00, 0.21
HSL	192°, 84%, 43%
HSV	192°, 91%, 79%
XYZ	24.4813, 31.5869, 60.5713
YIQ	125.5530, -100.3600, -20.3920

Conversions

Conversions Part 2

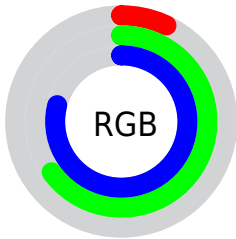
Format	Color
RYB	17, 100, 202
Decimal	1156810
CIELab	63.00, -22.39, -28.28
CIELCh	63, 36.070, 231.632
Yxy	31.5869, 0.2099, 0.2708
Android (android.graphics.Color)	4279346890 (0xFF11A6CA)
YUV	125.5530, 37.6884, -95.2010
Hunter-Lab	56.2022, -20.6005, -24.5575

Details

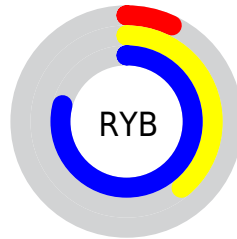
The CIELCh color **63, 36.070, 231.632** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **46, 77.554, 42.957**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.402, 228.459**, and **44, 29.788, 241.141** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.775, 234.767**, and if you desaturate by 10%, it is **64, 34.829, 228.472**.

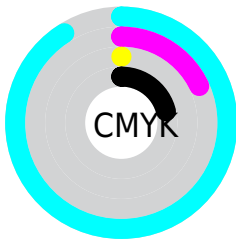
Distribution



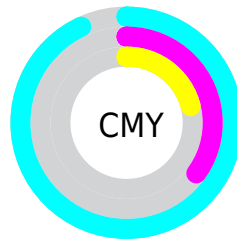
- Red (7%)
- Green (65%)
- Blue (79%)



- Red (7%)
- Yellow (39%)
- Blue (79%)



- Cyan (91%)
- Magenta (18%)
- Yellow (0%)
- Black (21%)





- Cyan (93%)
- Magenta (35%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.070, 231.632 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, 36.070, 231.632 by changing the saturation by 10% instead.


 63, 36.070,
231.632


 63, 36.070,
231.632


 100, 36.070,
231.632


 53, 36.070,
231.632


 83, 36.070,
231.632

 43, 36.070,
231.632

 93, 36.070,
231.632

 33, 36.070,
231.632

 23, 36.070,
231.632

 13, 36.070,
231.632

 3, 36.070, 231.632

 0, 36.070, 231.632

■ 63, 36.070,
231.632

■ 63, 36.070,
231.632

■ 62, 36.775,
234.767

■ 64, 34.829,
228.472

■ 66, 32.906,
225.920

■ 68, 30.233,
223.909

■ 70, 26.808,
222.358

■ 72, 22.682,
221.186

■ 74, 17.932,
220.322

■ 76, 12.650,
219.707

■ 78, 6.930, 219.308

Harmonies

Complementary

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



63, 36.070, 231.632



46, 77.554, 42.957

Rectangle

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



63, 36.070, 231.632



63, 36.070, 281.632



63, 36.070, 51.632



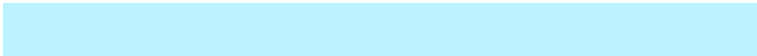
63, 36.070, 101.632

Sweetspot

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



63, 36.069, 231.632



92, 18.931, 220.048



71, 91.413, 139.361



48, 12.596, 220.282



0, 0.000, 0.000



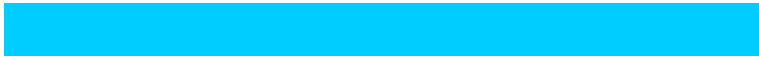
53, 0.007, 296.813

Same Dimension

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



63, 36.069, 231.632



77, 43.916, 235.356



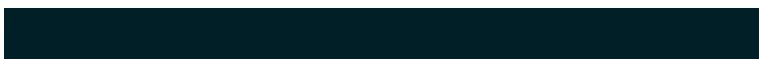
37, 76.857, 294.802



42, 3.503, 219.257



51, 31.734, 234.169



10, 11.747, 225.449

Inverse Universe

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



47, 82.425, 337.041



58, 99.033, 338.098



64, 66.978, 79.023



40, 6.583, 330.911



37, 72.025, 337.769



5, 24.756, 335.146

Previews

White Background



This preview shows how the CIE LCh color 63, 36.070, 231.632 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, 36.070, 231.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

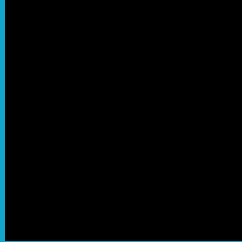
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.070, 231.632

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.070, 231.632.

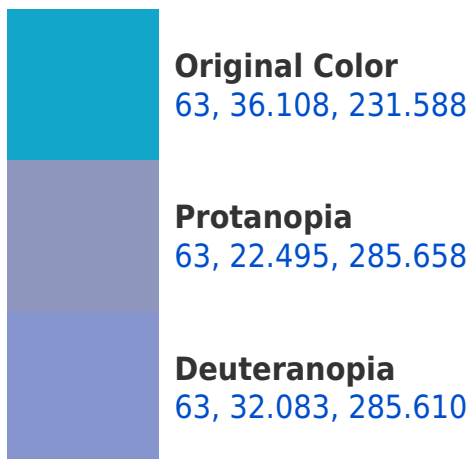


This preview shows how white text looks on a background with the CIELCh color 63, 36.070, 231.632.

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, 36.108, 231.588

Protanomaly
62, 26.952, 251.311

Deuteranomaly
62, 31.933, 258.836

Monochromacy



Original Color
63, 36.108, 231.588

Achromatopsia
53, 0.007, 296.813

Achromatomaly
55, 18.929, 223.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.070, 231.632 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(17, 166, 202)` looks like.

```
.text, #text, p{  
    color:rgb(17, 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(17, 166, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 166, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.070, 231.632 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(17, 166, 202) }
```

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

```
.border{ border-color:rgb(17, 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(17, 166, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 166, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 166, 202);  
box-shadow:4px 4px 4px 4px rgb(17, 166,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.070, 231.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 166, 202) }
```

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

```
.background{ background-color: rgb(17, 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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