

Converting Colors

CIELCh(63, 36.209, 227.164)

Have a look what the booklet for
CIELCh(63, 36.209, 227.164)
contains.

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Color

CIELCh(63, 36.123, 227.179)

Conversions

Conversions Part 1

Format	Color
Hex	00A7C7
RGB	0, 167, 199
RGB Percent	0%, 65%, 78%
CMY	1.0000, 0.3466, 0.2212
CMYK	1.00, 0.16, 0.00, 0.22
HSL	190°, 100%, 39%
HSV	190°, 100%, 78%
XYZ	23.9851, 31.5869, 58.6209
YIQ	120.7150, -109.8040, -25.4520

Conversions

Conversions Part 2

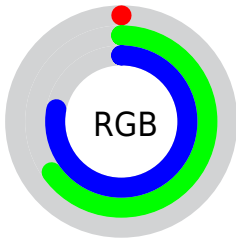
Format	Color
RYB	0, 91, 199
Decimal	42951
CIELab	63.00, -24.55, -26.50
CIELCh	63, 36.123, 227.179
Yxy	31.5869, 0.2100, 0.2766
Android (android.graphics.Color)	4278233031 (0xFF00A7C7)
YUV	120.7150, 38.5945, -105.8671
Hunter-Lab	56.2022, -22.1765, -22.4999

Details

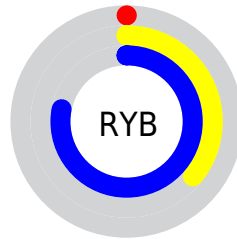
The CIELCh color **63, 36.123, 227.179** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **43, 83.586, 42.320**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 36.034, 226.803**, and **45, 28.895, 236.214** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.069, 227.231**, and if you desaturate by 10%, it is **64, 35.492, 224.298**.

Distribution



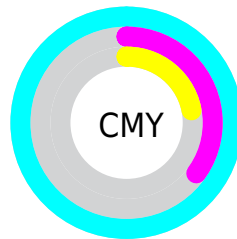
- Red (0%)
- Green (65%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (35%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.123, 227.179 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, 36.123, 227.179 by changing the saturation by 10% instead.


 63, 36.123,
227.179


 63, 36.123,
227.179


 100, 36.123,
227.179


 53, 36.123,
227.179


 83, 36.123,
227.179

 43, 36.123,
227.179

 93, 36.123,
227.179

 33, 36.123,
227.179

 23, 36.123,
227.179

 13, 36.123,
227.179

 3, 36.123, 227.179

 0, 36.123, 227.179

■ 63, 36.123,
227.179

■ 63, 36.123,
227.179

■ 63, 36.069,
227.231

■ 64, 35.492,
224.298

■ 65, 34.364,
221.830

■ 67, 32.483,
219.871

■ 68, 29.802,
218.357

■ 70, 26.338,
217.218

■ 72, 22.151,
216.388

■ 74, 17.327,
215.810

■ 76, 11.963,

215.438

■ 78, 6.157, 215.254

Harmonies

Complementary

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



63, 36.123, 227.179



43, 83.586, 42.320

Rectangle

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



63, 36.123, 227.179



63, 36.123, 277.179



63, 36.123, 47.179



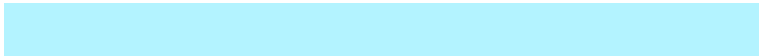
63, 36.123, 97.179

Sweetspot

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



63, 36.069, 227.231



92, 21.189, 215.831



70, 95.606, 137.552



48, 14.209, 216.055



0, 0.000, 0.000



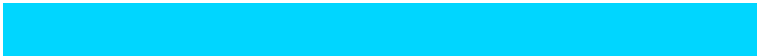
53, 0.007, 296.813

Same Dimension

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



63, 36.069, 227.231



79, 43.539, 227.753



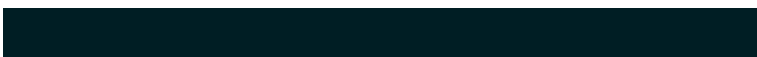
35, 79.299, 295.832



41, 3.501, 215.250



52, 31.181, 226.735



9, 11.333, 219.438

Inverse Universe

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



45, 84.374, 335.922



58, 101.663, 336.058



60, 68.341, 73.908



39, 6.605, 329.740



37, 73.063, 335.794



4, 23.238, 333.169

Previews

White Background



This preview shows how the CIELCh color 63, 36.123, 227.179 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, 36.123, 227.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

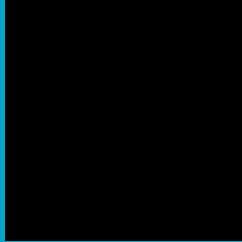
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.123, 227.179

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.123, 227.179.

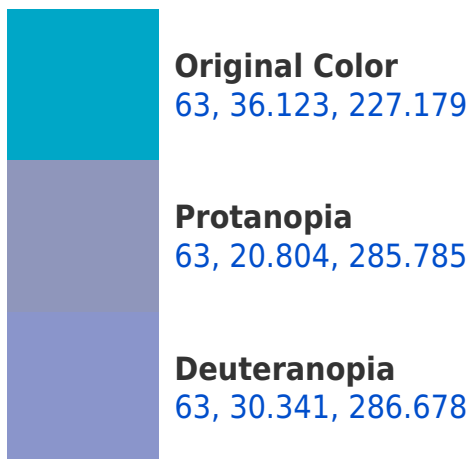


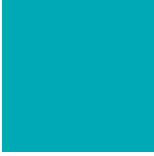
This preview shows how white text looks on a background with the CIELCh color 63, 36.123, 227.179.

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, 36.123, 227.179



Protanomaly
61, 26.788, 245.987



Deuteranomaly
61, 31.157, 255.207



Tritanomaly
63, 35.327, 215.510

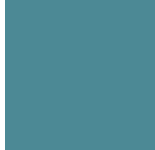
Monochromacy



Original Color
63, 36.123, 227.179



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 20.608, 217.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.123, 227.179 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, 167, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 199)  
}
```

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, 167, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.123, 227.179 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, 167, 199) }
```

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

```
.border{ border-color:rgb(0, 167, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.123, 227.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 199) }
```

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

```
.background{ background-color: rgb(0, 167,  
199) }
```

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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