

Converting Colors

CIELCh(63, 36.529, 198.152)

Have a look what the booklet for
CIELCh(63, 36.529, 198.152)
contains.

CIELCh(63, 36.588, 198.208)	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, 36.588, 198.208)

Conversions

Conversions Part 1

Format	Color
Hex	01AAAC
RGB	1, 170, 172
RGB Percent	0%, 67%, 67%
CMY	0.9945, 0.3348, 0.3269
CMYK	0.99, 0.01, 0.00, 0.33
HSL	181°, 98%, 34%
HSV	181°, 99%, 67%
XYZ	21.7358, 31.5869, 43.8003
YIQ	119.6970, -101.3660, -35.2060

Conversions

Conversions Part 2

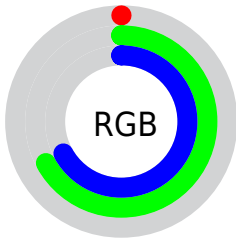
Format	Color
RYB	1, 86, 172
Decimal	109228
CIELab	63.00, -34.76, -11.43
CIELCh	63, 36.588, 198.208
Yxy	31.5869, 0.2238, 0.3252
Android (android.graphics.Color)	4278299308 (0xFF01AAAC)
YUV	119.6970, 25.7854, -104.0973
Hunter-Lab	56.2022, -29.3204, -6.8652

Details

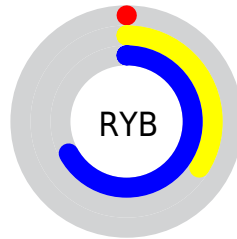
The CIELCh color **63, 36.588, 198.208** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 76.996, 39.817**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 36.666, 197.804**, and **44, 27.750, 200.226** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.634, 198.216**, and if you desaturate by 10%, it is **63, 35.946, 198.106**.

Distribution



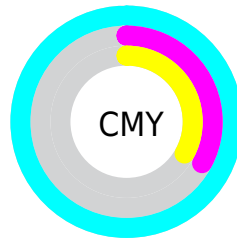
- Red (0%)
- Green (67%)
- Blue (67%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)





- Cyan (99%)
- Magenta (33%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.588, 198.208 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, 36.588, 198.208 by changing the saturation by 10% instead.


 63, 36.588,
198.208


 63, 36.588,
198.208


 100, 36.588,
198.208


 53, 36.588,
198.208


 83, 36.588,
198.208

 43, 36.588,
198.208

 93, 36.588,
198.208

 33, 36.588,
198.208

 23, 36.588,
198.208

 13, 36.588,
198.208

 3, 36.588, 198.208

 0, 36.588, 198.208

■ 63, 36.588,
198.208

■ 63, 36.588,
198.208

■ 63, 36.634,
198.216

■ 63, 35.946,
198.106

■ 63, 34.701,
198.071

■ 64, 32.693,
198.118

■ 64, 29.894,
198.248

■ 65, 26.321,
198.458

■ 66, 22.030,
198.744

■ 67, 17.103,
199.100

■ 68, 11.635,

199.522

■ 69, 5.726, 200.026

Harmonies

Complementary

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



63, 36.588, 198.208



36, 76.996, 39.817

Rectangle

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



63, 36.588, 198.208



63, 36.588, 248.208



63, 36.588, 18.208



63, 36.588, 68.208

Sweetspot

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



63, 36.587, 198.207



85, 21.753, 199.047



61, 88.825, 136.052



44, 14.581, 198.898



95, 0.011, 296.813



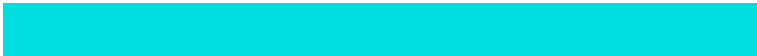
47, 0.006, 296.813

Same Dimension

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



63, 36.587, 198.207



80, 44.735, 198.250



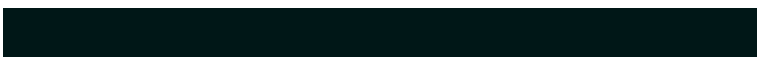
37, 52.943, 283.467



36, 3.560, 200.018



56, 33.254, 198.196



6, 7.665, 200.901

Inverse Universe

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



41, 84.956, 328.692



53, 103.953, 328.711



46, 62.883, 60.979



34, 6.538, 325.238



35, 77.259, 328.697



2, 13.694, 324.905

Previews

White Background



This preview shows how the CIELCh color 63, 36.588, 198.208 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, 36.588, 198.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

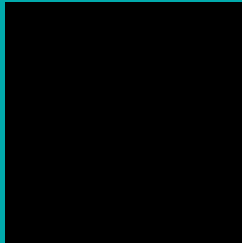
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.588, 198.208

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.588, 198.208.

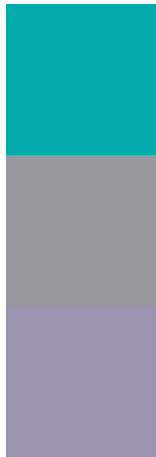


This preview shows how white text looks on a background with the CIELCh color 63, 36.588, 198.208.

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, 36.661, 198.199

Protanopia
63, 5.063, 294.995

Deuteranopia
63, 15.898, 299.684

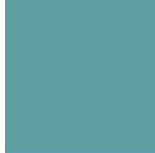


Tritanopia
63, 33.993, 210.273

Trichromacy



Original Color
63, 36.661, 198.199



Protanomaly
61, 20.374, 207.315



Deuteranomaly
61, 20.575, 227.760



Tritanomaly
63, 35.038, 204.991

Monochromacy



Original Color
63, 36.661, 198.199



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 20.558, 199.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.588, 198.208 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(1, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(1, 170, 172)  
}
```

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(1, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 170, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.588, 198.208 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(1, 170, 172) }
```

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

```
.border{ border-color:rgb(1, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(1, 170,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.588, 198.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 170, 172) }
```

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

```
.background{ background-color: rgb(1, 170,  
172) }
```

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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