

Converting Colors

CIELCh(50, 95.065, 194.327)

Have a look what the booklet for
CIELCh(50, 95.065, 194.327)
contains.

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Color

CIELCh(57, 33.130, 202.534)

Conversions

Conversions Part 1

Format	Color
Hex	04989E
RGB	4, 152, 158
RGB Percent	2%, 60%, 62%
CMY	0.9855, 0.4042, 0.3807
CMYK	0.98, 0.04, 0.00, 0.38
HSL	182°, 95%, 32%
HSV	182°, 98%, 62%
XYZ	17.4274, 24.9227, 36.2051
YIQ	108.4320, -90.1340, -29.5100

Conversions

Conversions Part 2

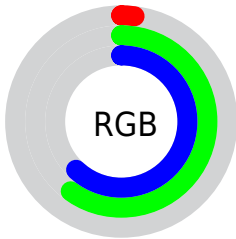
Format	Color
RYB	4, 79, 158
Decimal	301214
CIELab	57.00, -30.60, -12.70
CIElCh	57, 33.130, 202.534
Yxy	24.9227, 0.2218, 0.3173
Android (android.graphics.Color)	4278491294 (0xFF04989E)
YUV	108.4320, 24.4370, -91.5869
Hunter-Lab	49.9226, -25.0521, -8.0527

Details

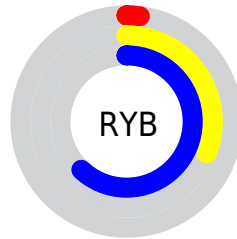
The CIELCh color **57, 33.130, 202.534** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 70.980, 39.578**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 33.179, 202.725**, and **38, 24.405, 206.902** is the 20% darker color. If you saturate the color by 10%, you get **57, 33.246, 202.648**, and if you desaturate by 10%, it is **57, 32.528, 202.060**.

Distribution



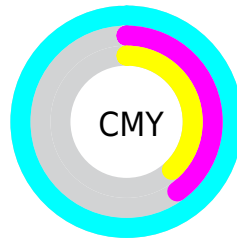
- Red (2%)
- Green (60%)
- Blue (62%)



- Red (2%)
- Yellow (31%)
- Blue (62%)



- Cyan (98%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)





- Cyan (99%)
- Magenta (40%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 33.130, 202.534 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 57, 33.130, 202.534 by changing the saturation by 10% instead.


 57, 33.130,
202.534


 57, 33.130,
202.534


 100, 33.130,
202.534


 47, 33.130,
202.534


 77, 33.130,
202.534

 37, 33.130,
202.534

 87, 33.130,
202.534

 27, 33.130,
202.534

 97, 33.130,
202.534

 17, 33.130,
202.534

 7, 33.130, 202.534

 0, 33.130, 202.534

■ 57, 33.130,
202.534

■ 57, 33.130,
202.534

■ 57, 33.246,
202.648

■ 57, 32.528,
202.060

■ 58, 31.321,
201.714

■ 58, 29.398,
201.505

■ 59, 26.745,
201.424

■ 60, 23.390,
201.459

■ 61, 19.391,
201.599

■ 62, 14.827,
201.831

■ 63, 9.786, 202.147

Harmonies

Complementary

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



57, 33.130, 202.534



33, 70.980, 39.578

Rectangle

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



57, 33.130, 202.534



57, 33.130, 252.534



57, 33.130, 22.534



57, 33.130, 72.534

Sweetspot

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



57, 33.129, 202.533



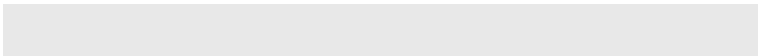
78, 19.209, 201.780



57, 82.486, 136.444



41, 13.076, 201.682



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



57, 33.129, 202.533



73, 40.537, 202.778



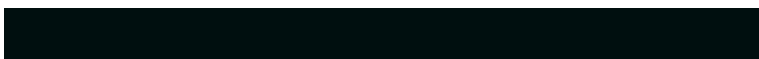
33, 51.945, 285.690



33, 3.211, 202.489



52, 30.898, 202.591



3, 4.265, 203.618

Inverse Universe

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



37, 77.945, 329.769



49, 95.614, 329.852



44, 57.684, 64.368



31, 5.945, 325.977



33, 72.841, 329.805



1, 7.688, 325.748

Previews

White Background



This preview shows how the CIELCh color 57, 33.130, 202.534 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 33.130, 202.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

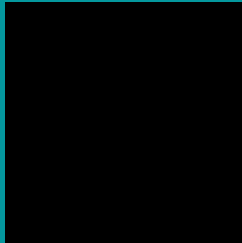
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 33.130, 202.534

Background



This preview shows how black text looks on a background with the CIELCh color 57, 33.130, 202.534.

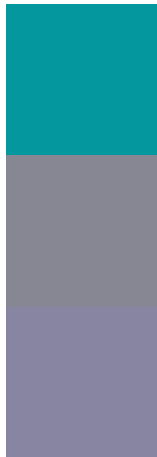


This preview shows how white text looks on a background with the CIELCh color 57, 33.130, 202.534.

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


57, 33.128, 202.539

Protanopia

57, 6.861, 290.992

Deuteranopia

57, 16.650, 295.844



Tritanopia
57, 31.731, 209.364

Trichromacy



Original Color
57, 33.128, 202.539



Protanomaly
55, 18.694, 215.848



Deuteranomaly
55, 20.184, 235.088



Tritanomaly
57, 32.173, 207.016

Monochromacy



Original Color
57, 33.128, 202.539



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 18.573, 201.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 33.130, 202.534 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(4, 152, 158)` looks like.

```
.text, #text, p{  
    color:rgb(4, 152, 158)  
}
```

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(4, 152, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 152, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 33.130, 202.534 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(4, 152, 158) }
```

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

```
.border{ border-color:rgb(4, 152, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 152, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 152, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 152, 158);  
box-shadow:4px 4px 4px 4px rgb(4, 152,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 33.130, 202.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 152, 158) }
```

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

```
.background{ background-color: rgb(4, 152,  
158) }
```

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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