

Converting Colors

CIELCh(63, 38.628, 93.842)

Have a look what the booklet for
CIELCh(63, 38.628, 93.842) contains.

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Color

CIELCh(63, 38.533, 93.928)

Conversions

Conversions Part 1

Format	Color
Hex	AA9853
RGB	170, 152, 83
RGB Percent	67%, 60%, 33%
CMY	0.3337, 0.4042, 0.6748
CMYK	0.00, 0.11, 0.51, 0.33
HSL	48°, 34%, 50%
HSV	48°, 51%, 67%
XYZ	29.3296, 31.5869, 12.7178
YIQ	149.5160, 32.8770, -17.6430

Conversions

Conversions Part 2

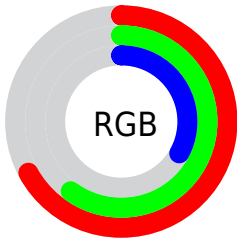
Format	Color
RYB	106, 170, 83
Decimal	11180115
CIELab	63.00, -2.64, 38.44
CIELCh	63, 38.533, 93.928
Yxy	31.5869, 0.3983, 0.4290
Android (android.graphics.Color)	4289370195 (0xFFAA9853)
YUV	149.5160, -32.7924, 17.9645
Hunter-Lab	56.2022, -5.2021, 25.9250

Details

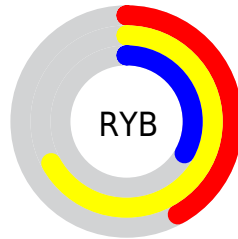
The CIELCh color **63, 38.533, 93.928** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **44, 41.321, 288.507**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 38.530, 93.824**, and **43, 38.244, 93.399** is the 20% darker color. If you saturate the color by 10%, you get **62, 45.600, 92.684**, and if you desaturate by 10%, it is **64, 31.130, 95.163**.

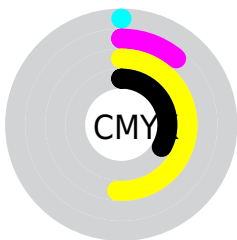
Distribution



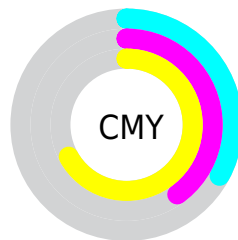
- Red (67%)
- Green (60%)
- Blue (33%)



- Red (42%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (11%)
- Yellow (51%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 38.533, 93.928 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, 38.533, 93.928 by changing the saturation by 10% instead.

63, 38.533, 93.928

63, 38.533, 93.928

100, 38.533,
93.928

53, 38.533, 93.928

83, 38.533, 93.928

43, 38.533, 93.928

93, 38.533, 93.928

33, 38.533, 93.928

23, 38.533, 93.928

13, 38.533, 93.928

3, 38.533, 93.928

0, 38.533, 93.928

63, 38.533, 93.928

63, 38.533, 93.928

62, 45.600, 92.684

64, 31.130, 95.163

61, 52.022, 91.416

65, 23.576, 96.376

60, 57.335, 90.105

67, 15.981, 97.564

59, 60.969, 88.704

68, 8.408, 98.717

58, 62.886, 87.389

69, 0.888, 99.698

71, 6.561, 280.965

72, 13.931,
281.994

74, 21.220,
282.984

75, 28.428,
283.928

Harmonies

Complementary

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



63, 38.533, 93.928



44, 41.321, 288.507

Rectangle

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



63, 38.533, 93.928



63, 38.533, 143.928



63, 38.533, 273.928



63, 38.533, 323.928

Sweetspot

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



63, 38.534, 93.932



86, 14.018, 98.252



47, 38.082, 9.036



46, 9.649, 98.016



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, 38.534, 93.932



79, 56.394, 92.570



66, 47.266, 118.268



35, 4.212, 98.932



51, 56.848, 87.591



5, 7.181, 95.907

Inverse Universe

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



44, 41.321, 288.507



51, 62.291, 291.274



42, 52.996, 305.158



33, 4.257, 281.105



20, 76.193, 301.736



1, 7.929, 281.694

Previews

White Background



This preview shows how the CIELCh color 63, 38.533, 93.928 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, 38.533, 93.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

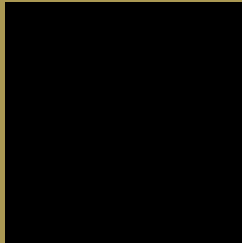
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 38.533, 93.928

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.533, 93.928.



This preview shows how white text looks on a background with the CIELCh color 63, 38.533, 93.928.

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, 38.533, 93.928

Protanopia

63, 38.716, 95.989

Deuteranopia

63, 38.856, 77.886



Tritanopia
63, 14.273, 355.505

Trichromacy



Original Color
63, 38.533, 93.928

Protanomaly
63, 38.805, 95.339

Deuteranomaly
63, 38.248, 84.099

Tritanomaly
63, 15.140, 61.308

Monochromacy



Original Color
63, 38.533, 93.928

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 14.232, 96.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.533, 93.928 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(170, 152, 83)` looks like.

```
.text, #text, p{  
    color:rgb(170, 152, 83)  
}
```

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(170, 152, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 152, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.533, 93.928 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(170, 152, 83) }
```

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

```
.border{ border-color:rgb(170, 152, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 152, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 152, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 152, 83);  
box-shadow:4px 4px 4px 4px rgb(170, 152,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.533, 93.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 152, 83) }
```

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

```
.background{ background-color: rgb(170,  
152, 83) }
```

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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