

Converting Colors

CIELCh(63, 23.950, 108.411)

Have a look what the booklet for
CIELCh(63, 23.950, 108.411)
contains.

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Color

CIELCh(63, 23.733, 108.571)

Conversions

Conversions Part 1

Format	Color
Hex	9A9B70
RGB	154, 155, 112
RGB Percent	60%, 61%, 44%
CMY	0.3952, 0.3912, 0.5599
CMYK	0.01, 0.00, 0.28, 0.39
HSL	61°, 18%, 52%
HSV	61°, 28%, 61%
XYZ	28.0672, 31.5869, 20.0107
YIQ	149.7990, 13.2070, -13.5850

Conversions

Conversions Part 2

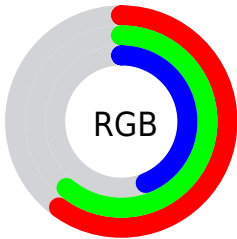
Format	Color
RYB	112, 155, 113
Decimal	10132336
CIELab	63.00, -7.56, 22.50
CIELCh	63, 23.733, 108.571
Yxy	31.5869, 0.3523, 0.3965
Android (android.graphics.Color)	4288322416 (0xFF9A9B70)
YUV	149.7990, -18.6349, 3.6843
Hunter-Lab	56.2022, -9.2115, 18.2315

Details

The CIELCh color $63, 23.733, 108.571$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $49, 25.322, 294.208$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 23.562, 108.099$, and $43, 23.569, 108.944$ is the 20% darker color. If you saturate the color by 10%, you get $63, 32.048, 107.679$, and if you desaturate by 10%, it is $63, 15.240, 109.486$.

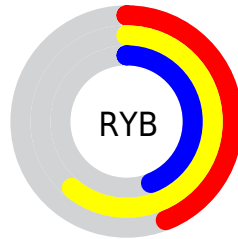
Distribution



Red (60%)

Green (61%)

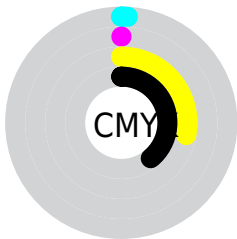
Blue (44%)



Red (44%)

Yellow (61%)

Blue (44%)

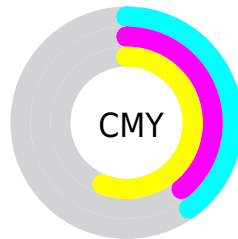


Cyan (1%)

Magenta (0%)

Yellow (28%)

Black (39%)



Cyan (40%)


Magenta (39%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 23.733, 108.571 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, 23.733, 108.571 by changing the saturation by 10% instead.


 63, 23.733,
108.571


 63, 23.733,
108.571


 100, 23.733,
108.571


 53, 23.733,
108.571


 83, 23.733,
108.571

 43, 23.733,
108.571

 93, 23.733,
108.571

 33, 23.733,
108.571

 23, 23.733,
108.571

 13, 23.733,
108.571

 3, 23.733, 108.571

 0, 23.733, 108.571

■ 63, 23.733,
108.571

■ 63, 23.733,
108.571

■ 63, 32.048,
107.679

■ 63, 15.240,
109.486

■ 62, 40.055,
106.822

■ 64, 6.648, 110.394

■ 64, 1.988, 291.322

■ 62, 47.563,
106.032

■ 65, 10.633,
292.178

■ 62, 54.296,
105.347

■ 65, 19.262,
293.020

■ 62, 59.890,
104.808

■ 66, 27.857,
293.829

■ 62, 63.957,
104.459

■ 66, 36.404,
294.599

■ 62, 66.418,
104.304

■ 67, 44.892,
295.329

■ 62, 66.925,

104.275

■ 68, 53.315,
296.018

Harmonies

Complementary

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



63, 23.733, 108.571



49, 25.322, 294.208

Rectangle

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



63, 23.733, 108.571



63, 23.733, 158.571



63, 23.733, 288.571



63, 23.733, 338.571

Sweetspot

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



63, 23.734, 108.575



81, 8.531, 110.354



52, 18.023, 22.812



43, 6.110, 110.225



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



63, 23.734, 108.575



80, 34.806, 108.040



61, 25.562, 128.407



32, 4.816, 110.258



56, 62.141, 104.262



3, 5.231, 111.216

Inverse Universe

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



49, 25.322, 294.208



59, 37.753, 295.068



51, 26.502, 310.927



29, 4.919, 291.986



15, 85.630, 306.383



0, 5.231, 291.079

Previews

White Background



This preview shows how the CIELCh color 63, 23.733, 108.571 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, 23.733, 108.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

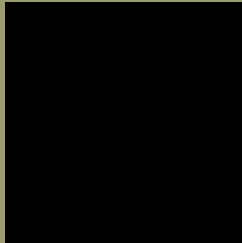
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

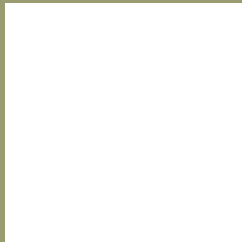
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 23.733, 108.571

Background



This preview shows how black text looks on a background with the CIELCh color 63, 23.733, 108.571.



This preview shows how white text looks on a background with the CIELCh color 63, 23.733, 108.571.

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, 23.733, 108.571

Protanopia
63, 23.299, 94.966

Deuteranopia
63, 23.288, 69.335



Tritanopia
63, 7.951, 322.516

Trichromacy



Original Color
63, 23.733, 108.571

Protanomaly
63, 23.424, 100.306

Deuteranomaly
63, 22.218, 82.885

Tritanomaly
63, 5.237, 77.729

Monochromacy



Original Color
63, 23.733, 108.571

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 8.918, 109.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 23.733, 108.571 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(154, 155, 112)` looks like.

```
.text, #text, p{  
    color:rgb(154, 155, 112)  
}
```

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(154, 155, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 155, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 23.733, 108.571 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(154, 155, 112) }
```

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

```
.border{ border-color:rgb(154, 155, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 155, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 155, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 155, 112);  
box-shadow:4px 4px 4px 4px rgb(154, 155,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 23.733, 108.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 155, 112) }
```

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

```
.background{ background-color: rgb(154,  
155, 112) }
```

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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