

Converting Colors

CIELCh(63, 32.102, 111.797)

Have a look what the booklet for
CIELCh(63, 32.102, 111.797)
contains.

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Color

CIELCh(63, 31.860, 112.081)

Conversions

Conversions Part 1

Format	Color
Hex	969D63
RGB	150, 157, 99
RGB Percent	59%, 62%, 39%
CMY	0.4110, 0.3835, 0.6110
CMYK	0.04, 0.00, 0.37, 0.38
HSL	67°, 23%, 50%
HSV	67°, 37%, 62%
XYZ	26.9647, 31.5869, 16.5259
YIQ	148.2950, 14.4460, -19.5220

Conversions

Conversions Part 2

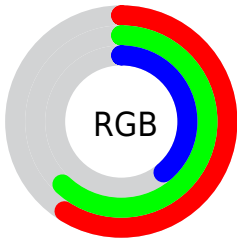
Format	Color
RYB	99, 157, 106
Decimal	9870691
CIELab	63.00, -11.98, 29.52
CIELCh	63, 31.860, 112.081
Yxy	31.5869, 0.3592, 0.4207
Android (android.graphics.Color)	4288060771 (0xFF969D63)
YUV	148.2950, -24.3024, 1.4953
Hunter-Lab	56.2022, -12.7133, 21.9078

Details

The CIELCh color **63, 31.860, 112.081** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **45, 34.802, 298.609**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 31.865, 112.397**, and **43, 31.981, 112.287** is the 20% darker color. If you saturate the color by 10%, you get **63, 40.025, 111.363**, and if you desaturate by 10%, it is **63, 23.402, 112.845**.

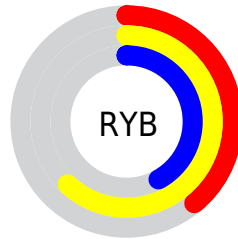
Distribution



Red (59%)

Green (62%)

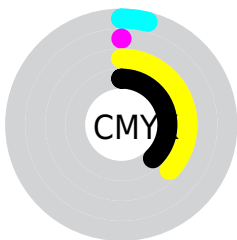
Blue (39%)



Red (39%)

Yellow (62%)

Blue (42%)

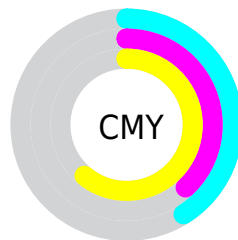


Cyan (4%)

Magenta (0%)

Yellow (37%)

Black (38%)



Cyan (41%)


Magenta (38%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 31.860, 112.081 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, 31.860, 112.081 by changing the saturation by 10% instead.


 63, 31.860,
112.081


 63, 31.860,
112.081


 100, 31.860,
112.081


 53, 31.860,
112.081


 83, 31.860,
112.081

 43, 31.860,
112.081

 93, 31.860,
112.081

 33, 31.860,
112.081

 23, 31.860,
112.081

 13, 31.860,
112.081

 3, 31.860, 112.081

 0, 31.860, 112.081

■ 63, 31.860,
112.081

■ 63, 31.860,
112.081

■ 63, 40.025,
111.363

■ 63, 23.402,
112.845

■ 62, 47.708,
110.719

■ 64, 14.769,
113.620

■ 62, 54.643,
110.200

■ 64, 6.043, 114.390

■ 62, 60.472,
109.870

■ 65, 2.722, 295.154

■ 62, 64.802,
109.799

■ 66, 11.489,
295.879

■ 61, 67.467,
110.019

■ 66, 20.231,
296.577

■ 61, 68.185,
110.101

■ 67, 28.929,
297.240

■ 68, 37.568,
297.866

■ 69, 46.137,
298.455

Harmonies

Complementary

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



63, 31.860, 112.081



45, 34.802, 298.609

Rectangle

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



63, 31.860, 112.081



63, 31.860, 162.081



63, 31.860, 292.081



63, 31.860, 342.081

Sweetspot

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



63, 31.861, 112.084



81, 11.898, 114.061



50, 23.068, 31.736



43, 7.975, 113.965



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, 31.861, 112.084



79, 46.557, 111.507



61, 35.229, 131.355



33, 4.971, 114.211



56, 63.548, 110.043



4, 6.545, 115.844

Inverse Universe

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



45, 34.802, 298.609



53, 52.097, 299.675



48, 36.554, 314.628



31, 5.075, 295.665



16, 86.162, 306.817



0, 6.532, 294.673

Previews

White Background



This preview shows how the CIELCh color 63, 31.860, 112.081 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, 31.860, 112.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

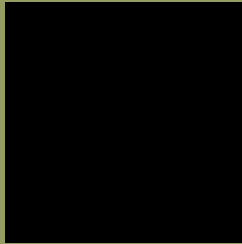
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

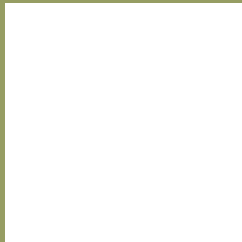
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 31.860, 112.081

Background



This preview shows how black text looks on a background with the CIELCh color 63, 31.860, 112.081.



This preview shows how white text looks on a background with the CIELCh color 63, 31.860, 112.081.

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, 31.860, 112.081

Protanopia

63, 30.924, 95.383

Deuteranopia

63, 29.692, 74.227



Tritanopia
63, 6.898, 316.848

Trichromacy



Original Color
63, 31.860, 112.081

Protanomaly
63, 30.854, 101.925

Deuteranomaly
63, 28.711, 88.523

Tritanomaly
63, 7.828, 103.476

Monochromacy



Original Color
63, 31.860, 112.081

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 11.747, 112.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 31.860, 112.081 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(150, 157, 99)` looks like.

```
.text, #text, p{  
    color:rgb(150, 157, 99)  
}
```

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(150, 157, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 157, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 31.860, 112.081 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(150, 157, 99) }
```

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

```
.border{ border-color:rgb(150, 157, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 157, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 157, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 157, 99);  
box-shadow:4px 4px 4px 4px rgb(150, 157,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 31.860, 112.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 157, 99) }
```

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

```
.background{ background-color: rgb(150,  
157, 99) }
```

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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