

Converting Colors

CIELCh(62, 23.022, 83.617)

Have a look what the booklet for
CIELCh(62, 23.022, 83.617) contains.

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Color

CIELCh(62, 23.298, 83.781)

Conversions

Conversions Part 1

Format	Color
Hex	A9936D
RGB	169, 147, 109
RGB Percent	66%, 58%, 43%
CMY	0.3373, 0.4235, 0.5726
CMYK	0.00, 0.13, 0.36, 0.34
HSL	38°, 26%, 55%
HSV	38°, 36%, 66%
XYZ	29.5524, 30.4025, 18.7764
YIQ	149.2460, 25.3100, -7.1540

Conversions

Conversions Part 2

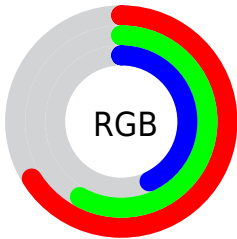
Format	Color
RYB	144, 169, 109
Decimal	11113325
CIELab	62.00, 2.52, 23.16
CIELCh	62, 23.298, 83.781
Yxy	30.4025, 0.3754, 0.3862
Android (android.graphics.Color)	4289303405 (0xFFA9936D)
YUV	149.2460, -19.8413, 17.3243
Hunter-Lab	55.1385, -0.8224, 18.4069

Details

The CIELCh color **62, 23.298, 83.781** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **54, 22.774, 274.095**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 23.224, 83.928**, and **42, 23.452, 84.178** is the 20% darker color. If you saturate the color by 10%, you get **60, 30.172, 82.411**, and if you desaturate by 10%, it is **64, 16.538, 85.122**.

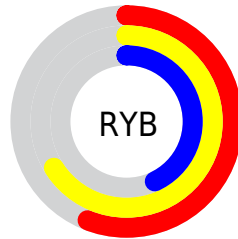
Distribution



Red (66%)

Green (58%)

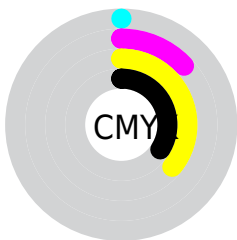
Blue (43%)



Red (56%)

Yellow (66%)

Blue (43%)

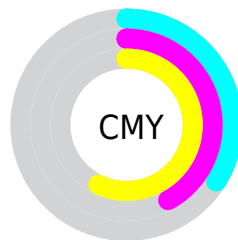


Cyan (0%)

Magenta (13%)

Yellow (36%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 23.298, 83.781 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 62, 23.298, 83.781 by changing the saturation by 10% instead.

■ 62, 23.298, 83.781

■ 62, 23.298, 83.781

■ 100, 23.298,
83.781

■ 52, 23.298, 83.781

■ 82, 23.298, 83.781

■ 42, 23.298, 83.781

■ 92, 23.298, 83.781

■ 32, 23.298, 83.781

■ 22, 23.298, 83.781

■ 12, 23.298, 83.781

■ 2, 23.298, 83.781

■ 0, 23.298, 83.781

■ 62, 23.298, 83.781

■ 62, 23.298, 83.781

■ 60, 30.172, 82.411

■ 64, 16.538, 85.122

■ 58, 37.073, 80.990

■ 66, 9.926, 86.414

■ 56, 43.834, 79.499

■ 68, 3.474, 87.631

■ 55, 50.143, 77.885

■ 70, 2.817, 268.997

■ 53, 55.477, 76.034

■ 72, 8.958, 270.109

■ 51, 59.171, 73.768

■ 74, 14.958,
271.216

■ 51, 60.632, 72.733

■ 77, 20.830,
272.279

■ 79, 26.585,
273.291

■ 81, 29.260,
271.689

Harmonies

Complementary

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



62, 23.298, 83.781



54, 22.774, 274.095

Rectangle

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



62, 23.298, 83.781



62, 23.298, 133.781



62, 23.298, 263.781



62, 23.298, 313.781

Sweetspot

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



62, 23.299, 83.787



85, 8.656, 86.953



53, 27.113, 355.379



44, 5.817, 86.794



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 23.299, 83.787



77, 35.188, 82.653



67, 32.584, 112.726



35, 3.581, 87.187



45, 54.967, 73.104



4, 6.025, 81.177

Inverse Universe

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



54, 22.774, 274.095



65, 34.258, 275.940



49, 35.448, 298.859



33, 3.568, 269.618



26, 60.563, 293.934



2, 6.837, 272.525

Previews

White Background



This preview shows how the CIELCh color 62, 23.298, 83.781 looks on a white background.

Color Contrast Check

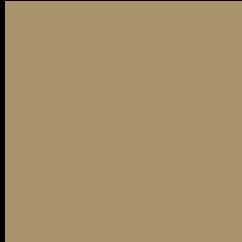
Large Text (above 18pt) WCAG AA × Fail

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 62, 23.298, 83.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

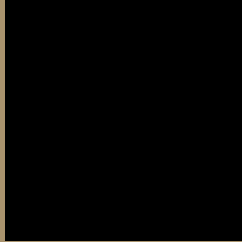
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 23.298, 83.781

Background



This preview shows how black text looks on a background with the CIELCh color 62, 23.298, 83.781.



This preview shows how white text looks on a background with the CIELCh color 62, 23.298, 83.781.

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

62, 23.298, 83.781

Protanopia

62, 22.720, 95.759

Deuteranopia

62, 23.995, 71.521



Tritanopia
62, 14.325, 355.539

Trichromacy



Original Color
62, 23.298, 83.781

Protanomaly
62, 22.655, 91.275

Deuteranomaly
62, 23.390, 75.604

Tritanomaly
62, 12.500, 38.578

Monochromacy



Original Color
62, 23.298, 83.781

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 8.465, 86.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 23.298, 83.781 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(169, 147, 109)` looks like.

```
.text, #text, p{  
    color:rgb(169, 147, 109)  
}
```

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(169, 147, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 147, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 23.298, 83.781 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(169, 147, 109) }
```

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

```
.border{ border-color:rgb(169, 147, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 147, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 147, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 147, 109);  
box-shadow:4px 4px 4px 4px rgb(169, 147,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 23.298, 83.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 147, 109) }
```

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

```
.background{ background-color: rgb(169,  
147, 109) }
```

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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