

Converting Colors

CIELCh(62, 4.517, 92.715)

Have a look what the booklet for
CIELCh(62, 4.517, 92.715) contains.

CIELCh(62, 4.613, 94.802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 4.613, 94.802)

Conversions

Conversions Part 1

Format	Color
Hex	99968E
RGB	153, 150, 142
RGB Percent	60%, 59%, 56%
CMY	0.4012, 0.4129, 0.4443
CMYK	0.00, 0.02, 0.07, 0.40
HSL	44°, 5%, 58%
HSV	44°, 7%, 60%
XYZ	28.7972, 30.4025, 29.8234
YIQ	149.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

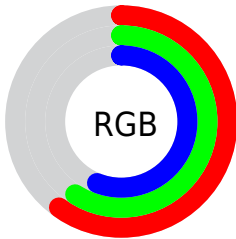
Format	Color
RYB	146, 153, 142
Decimal	10065550
CIELab	62.00, -0.39, 4.60
CIELCh	62, 4.613, 94.802
Yxy	30.4025, 0.3235, 0.3415
Android (android.graphics.Color)	4288255630 (0xFF99968E)
YUV	149.9850, -3.9366, 2.6442
Hunter-Lab	55.1385, -3.2670, 6.5281

Details

The CIELCh color **62, 4.613, 94.802** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **60, 4.640, 276.596**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 4.354, 94.996**, and **42, 4.395, 92.551** is the 20% darker color. If you saturate the color by 10%, you get **60, 11.110, 93.644**, and if you desaturate by 10%, it is **64, 1.790, 276.103**.

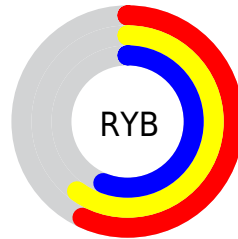
Distribution



Red (60%)

Green (59%)

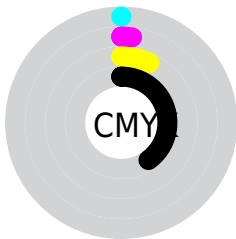
Blue (56%)



Red (57%)

Yellow (60%)

Blue (56%)

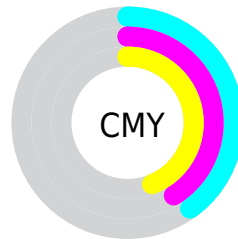


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (40%)



Cyan (40%)

Magenta (41%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 4.613, 94.802 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, 4.613, 94.802 by changing the saturation by 10% instead.

■ 62, 4.613, 94.802

■ 62, 4.613, 94.802

■ 100, 4.613, 94.802

■ 52, 4.613, 94.802

■ 82, 4.613, 94.802

■ 42, 4.613, 94.802

■ 92, 4.613, 94.802

■ 32, 4.613, 94.802

■ 22, 4.613, 94.802

■ 12, 4.613, 94.802

■ 2, 4.613, 94.802

■ 0, 4.613, 94.802

■ 62, 4.613, 94.802

■ 62, 4.613, 94.802

■ 60, 11.110, 93.644

■ 64, 1.790, 276.103

■ 59, 17.684, 92.414

■ 65, 8.099, 277.142

■ 58, 24.305, 91.146

■ 67, 14.314,
278.195

■ 56, 30.911, 89.845

■ 68, 20.438,
279.204

■ 55, 37.389, 88.509

■ 54, 43.536, 87.125

■ 70, 26.475,
280.164

■ 52, 49.016, 85.662

■ 72, 32.431,
281.076

■ 51, 53.332, 84.050

■ 50, 56.116, 82.219

■ 73, 38.311,
281.939

■ 75, 39.534,
280.691

■ 76, 37.498,
277.717

Harmonies

Complementary

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



62, 4.613, 94.802



60, 4.640, 276.596

Rectangle

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



62, 4.613, 94.802



62, 4.613, 144.802



62, 4.613, 274.802



62, 4.613, 324.802

Sweetspot

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



62, 4.614, 94.821



80, 1.577, 95.332



60, 4.665, 357.701



42, 0.894, 95.338



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



62, 4.614, 94.821



78, 7.166, 94.595



63, 6.208, 118.178



32, 3.634, 94.590



46, 53.476, 81.903



3, 3.864, 94.821

Inverse Universe

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



60, 4.640, 276.596



75, 7.207, 276.844



59, 6.309, 299.109



30, 3.655, 276.850



21, 67.099, 298.917



1, 3.936, 276.014

Previews

White Background



This preview shows how the CIELCh color 62, 4.613, 94.802 looks on a white background.

Color Contrast Check

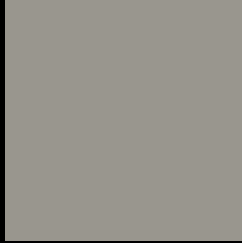
Large Text (above 18pt) WCAG AA × Fail

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, 4.613, 94.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

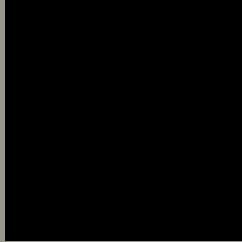
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

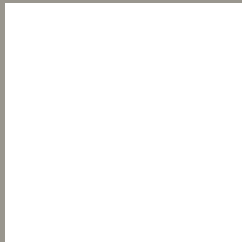
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 4.613, 94.802

Background



This preview shows how black text looks on a background with the CIELCh color 62, 4.613, 94.802.



This preview shows how white text looks on a background with the CIELCh color 62, 4.613, 94.802.

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, 4.613, 94.802

Protanopia

62, 4.878, 85.720

Deuteranopia

62, 8.862, 27.411



Tritanopia
62, 7.429, 314.955

Trichromacy



Original Color
62, 4.613, 94.802

Protanomaly
62, 4.878, 85.720

Deuteranomaly
62, 6.366, 40.370

Tritanomaly
62, 3.657, 329.552

Monochromacy



Original Color
62, 4.613, 94.802

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 1.712, 96.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 4.613, 94.802 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(153, 150, 142)` looks like.

```
.text, #text, p{  
    color:rgb(153, 150, 142)  
}
```

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(153, 150, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 150, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 4.613, 94.802 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(153, 150, 142) }
```

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

```
.border{ border-color:rgb(153, 150, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 150, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 150, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 150, 142);  
box-shadow:4px 4px 4px 4px rgb(153, 150,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 4.613, 94.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 150, 142) }
```

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

```
.background{ background-color: rgb(153,  
150, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor