

Converting Colors

CIELCh(63, 12.842, 96.178)

Have a look what the booklet for
CIELCh(63, 12.842, 96.178) contains.

CIELCh(63, 12.568, 95.673)	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(63, 12.568, 95.673)

Conversions

Conversions Part 1

Format	Color
Hex	9F9882
RGB	159, 152, 130
RGB Percent	62%, 60%, 51%
CMY	0.3752, 0.4026, 0.4890
CMYK	0.00, 0.04, 0.18, 0.38
HSL	46°, 13%, 57%
HSV	46°, 18%, 62%
XYZ	29.6950, 31.5869, 25.7623
YIQ	151.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

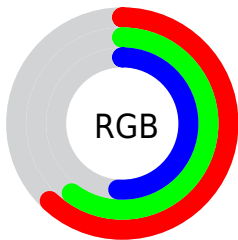
Format	Color
RYB	139, 159, 130
Decimal	10459266
CIELab	63.00, -1.24, 12.51
CIELCh	63, 12.568, 95.673
Yxy	31.5869, 0.3411, 0.3629
Android (android.graphics.Color)	4288649346 (0xFF9F9882)
YUV	151.5850, -10.6414, 6.5030
Hunter-Lab	56.2022, -4.0417, 12.1639

Details

The CIELCh color **63, 12.568, 95.673** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **57, 12.739, 280.169**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 12.475, 94.941**, and **43, 12.260, 95.768** is the 20% darker color. If you saturate the color by 10%, you get **62, 19.563, 94.472**, and if you desaturate by 10%, it is **64, 5.631, 96.844**.

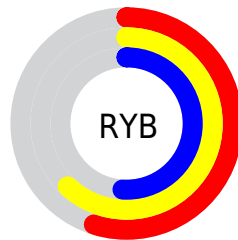
Distribution



Red (62%)

Green (60%)

Blue (51%)



Red (55%)

Yellow (62%)

Blue (51%)

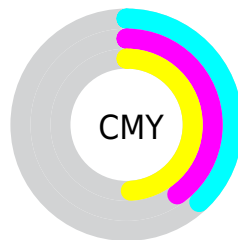


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 12.568, 95.673 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, 12.568, 95.673 by changing the saturation by 10% instead.

■ 63, 12.568, 95.673

■ 63, 12.568, 95.673

■ 100, 12.568,
95.673

■ 53, 12.568, 95.673

■ 83, 12.568, 95.673

■ 43, 12.568, 95.673

■ 93, 12.568, 95.673

■ 33, 12.568, 95.673

■ 23, 12.568, 95.673

■ 13, 12.568, 95.673

■ 3, 12.568, 95.673

■ 0, 12.568, 95.673

■ 63, 12.568, 95.673

■ 63, 12.568, 95.673

■ 62, 19.563, 94.472

■ 64, 5.631, 96.844

60, 26.571, 93.230

66, 1.231, 278.133

59, 33.517, 91.960

67, 8.007, 279.122

58, 40.263, 90.663

69, 14.697,
280.161

57, 46.574, 89.330

70, 21.300,
281.157

55, 52.068, 87.935

54, 56.219, 86.422

72, 27.821,
282.105

53, 58.763, 84.742

74, 34.262,
283.005

53, 59.206, 84.448

75, 39.173,
283.276

76, 37.220,
280.640

Harmonies

Complementary

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



63, 12.568, 95.673



57, 12.739, 280.169

Rectangle

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



63, 12.568, 95.673



63, 12.568, 145.673



63, 12.568, 275.673



63, 12.568, 325.673

Sweetspot

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



63, 12.569, 95.681



82, 4.226, 97.186



57, 12.324, 1.296



44, 2.908, 97.115



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 12.569, 95.681



79, 18.801, 95.177



64, 16.300, 118.795



33, 3.857, 96.727



48, 54.688, 84.648



3, 4.852, 95.439

Inverse Universe

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



57, 12.739, 280.169



71, 19.114, 280.808



56, 16.903, 301.139



31, 3.889, 278.943



21, 71.005, 300.329



1, 5.107, 278.616

Previews

White Background



This preview shows how the CIELCh color 63, 12.568, 95.673 looks on a white background.

Color Contrast Check

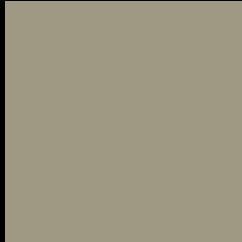
Large Text (above 18pt) WCAG AA × Fail

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, 12.568, 95.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

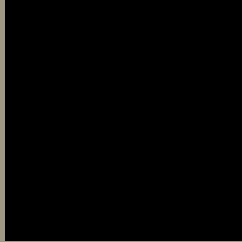
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

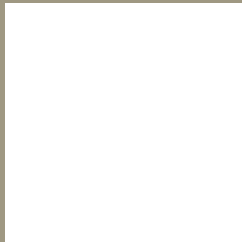
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 12.568, 95.673

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.568, 95.673.



This preview shows how white text looks on a background with the CIELCh color 63, 12.568, 95.673.

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, 12.568, 95.673

Protanopia

63, 12.668, 93.860

Deuteranopia

63, 14.707, 57.246



Tritanopia
63, 8.864, 331.059

Trichromacy



Original Color
63, 12.568, 95.673

Protanomaly
63, 12.668, 93.860

Deuteranomaly
63, 13.023, 69.857

Tritanomaly
63, 4.731, 26.502

Monochromacy



Original Color
63, 12.568, 95.673

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.601, 94.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.568, 95.673 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(159, 152, 130)` looks like.

```
.text, #text, p{  
    color:rgb(159, 152, 130)  
}
```

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(159, 152, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 152, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.568, 95.673 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(159, 152, 130) }
```

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

```
.border{ border-color:rgb(159, 152, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 152, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 152, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 152, 130);  
box-shadow:4px 4px 4px 4px rgb(159, 152,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.568, 95.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 152, 130) }
```

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

```
.background{ background-color: rgb(159,  
152, 130) }
```

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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