

Converting Colors

CIELCh(64, 4.320, 86.708)

Have a look what the booklet for
CIELCh(64, 4.320, 86.708) contains.

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Color

CIELCh(64, 4.698, 90.170)

Conversions

Conversions Part 1

Format	Color
Hex	9F9B93
RGB	159, 155, 147
RGB Percent	62%, 61%, 58%
CMY	0.3775, 0.3931, 0.4245
CMYK	0.00, 0.03, 0.08, 0.38
HSL	40°, 6%, 60%
HSV	40°, 8%, 62%
XYZ	31.1732, 32.8017, 32.1889
YIQ	155.2840, 4.9520, -1.6400

Conversions

Conversions Part 2

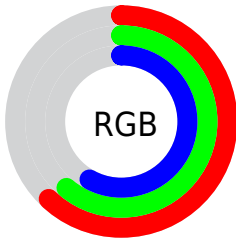
Format	Color
RYB	153, 159, 147
Decimal	10460051
CIELab	64.00, -0.01, 4.70
CIElCh	64, 4.698, 90.170
Yxy	32.8017, 0.3242, 0.3411
Android (android.graphics.Color)	4288650131 (0xFF9F9B93)
YUV	155.2840, -4.0840, 3.2589
Hunter-Lab	57.2727, -3.0708, 6.7683

Details

The CIELCh color **64, 4.698, 90.170** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 4.704, 272.139**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 4.573, 85.979**, and **44, 5.057, 89.794** is the 20% darker color. If you saturate the color by 10%, you get **62, 11.042, 88.968**, and if you desaturate by 10%, it is **66, 1.514, 271.571**.

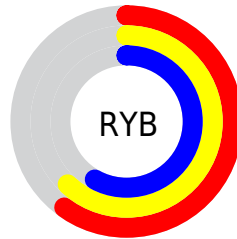
Distribution



Red (62%)

Green (61%)

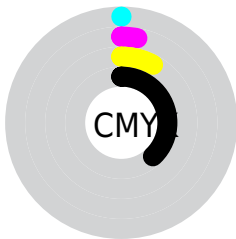
Blue (58%)



Red (60%)

Yellow (62%)

Blue (58%)

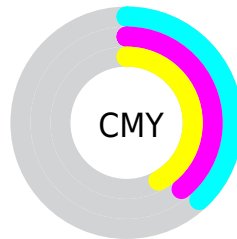


Cyan (0%)

Magenta (3%)

Yellow (8%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 4.698, 90.170 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 64, 4.698, 90.170 by changing the saturation by 10% instead.

■ 64, 4.698, 90.170

■ 64, 4.698, 90.170

■ 100, 4.698, 90.170

■ 54, 4.698, 90.170

■ 84, 4.698, 90.170

■ 44, 4.698, 90.170

■ 94, 4.698, 90.170

■ 34, 4.698, 90.170

■ 24, 4.698, 90.170

■ 14, 4.698, 90.170

■ 4, 4.698, 90.170

■ 0, 4.698, 90.170

■ 64, 4.698, 90.170

■ 64, 4.698, 90.170

■ 62, 11.042, 88.968

■ 66, 1.514, 271.571

60, 17.511, 87.687

68, 7.599, 272.619

59, 24.083, 86.364

70, 13.562,
273.714

57, 30.708, 85.002

72, 19.414,
274.764

55, 37.286, 83.593

54, 43.624, 82.115

74, 25.161,
275.766

52, 49.385, 80.515

75, 30.812,
276.717

51, 54.038, 78.689

49, 57.169, 76.534

77, 34.927,
276.691

79, 32.570,
272.101

80, 30.447,
266.888

Harmonies

Complementary

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



64, 4.698, 90.170



62, 4.704, 272.139

Rectangle

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



64, 4.698, 90.170



64, 4.698, 140.170



64, 4.698, 270.170



64, 4.698, 320.170

Sweetspot

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



64, 4.699, 90.190



83, 1.526, 90.741



62, 5.190, 354.305



44, 0.874, 90.745



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 4.699, 90.190



81, 6.949, 89.999



65, 6.690, 116.177



33, 3.512, 89.991



44, 53.623, 76.307



3, 4.410, 88.297

Inverse Universe

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



62, 4.704, 272.139



78, 6.950, 272.349



61, 6.807, 297.258



31, 3.512, 272.359



24, 62.178, 295.842



1, 4.651, 272.496

Previews

White Background



This preview shows how the CIELCh color 64, 4.698, 90.170 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 64, 4.698, 90.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

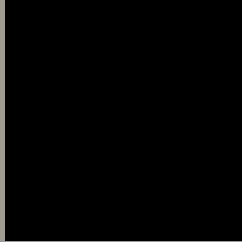
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

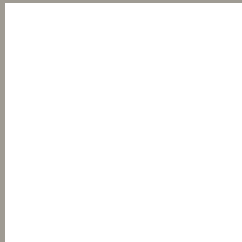
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 4.698, 90.170

Background



This preview shows how black text looks on a background with the CIELCh color 64, 4.698, 90.170.



This preview shows how white text looks on a background with the CIELCh color 64, 4.698, 90.170.

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


64, 4.698, 90.170

Protanopia

64, 4.533, 78.412

Deuteranopia

64, 9.202, 27.112



Tritanopia
64, 7.550, 317.577

Trichromacy



Original Color
64, 4.698, 90.170

Protanomaly
64, 4.533, 78.412

Deuteranomaly
64, 6.700, 39.199

Tritanomaly
64, 3.891, 333.928

Monochromacy



Original Color
64, 4.698, 90.170

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.702, 96.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 4.698, 90.170 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, 155, 147)` looks like.

```
.text, #text, p{  
    color:rgb(159, 155, 147)  
}
```

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, 155, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 155, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 4.698, 90.170 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, 155, 147) }
```

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

```
.border{ border-color:rgb(159, 155, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 155, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 155, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 155, 147);  
box-shadow:4px 4px 4px 4px rgb(159, 155,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 4.698, 90.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 155, 147) }
```

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

```
.background{ background-color: rgb(159,  
155, 147) }
```

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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