

Converting Colors

CIELCh(64, 49.688, 103.000)

Have a look what the booklet for
CIELCh(64, 49.688, 103.000)
contains.

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Color

CIELCh(64, 49.982, 103.199)

Conversions

Conversions Part 1

Format	Color
Hex	A29F40
RGB	162, 159, 64
RGB Percent	64%, 62%, 25%
CMY	0.3651, 0.3768, 0.7494
CMYK	0.00, 0.02, 0.61, 0.37
HSL	58°, 43%, 44%
HSV	58°, 61%, 63%
XYZ	28.1828, 32.8017, 9.6823
YIQ	149.0670, 32.2830, -28.9090

Conversions

Conversions Part 2

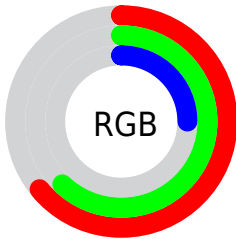
Format	Color
RYB	67, 162, 64
Decimal	10657600
CIELab	64.00, -11.41, 48.66
CIELCh	64, 49.982, 103.199
Yxy	32.8017, 0.3988, 0.4642
Android (android.graphics.Color)	4288847680 (0xFFA29F40)
YUV	149.0670, -41.9380, 11.3422
Hunter-Lab	57.2727, -12.3910, 30.0676

Details

The CIELCh color **64, 49.982, 103.199** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33, 59.157, 298.443**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 49.617, 102.949**, and **44, 50.076, 103.041** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.543, 102.426**, and if you desaturate by 10%, it is **64, 42.550, 104.069**.

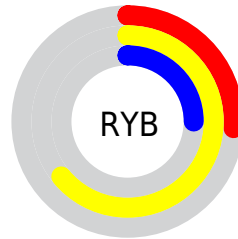
Distribution



Red (64%)

Green (62%)

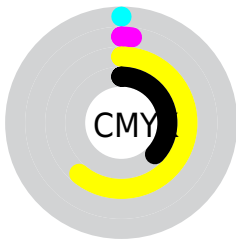
Blue (25%)



Red (26%)

Yellow (64%)

Blue (25%)

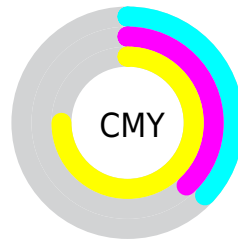


Cyan (0%)

Magenta (2%)

Yellow (61%)

Black (37%)



Cyan (37%)

Magenta (38%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 49.982, 103.199 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, 49.982, 103.199 by changing the saturation by 10% instead.

 64, 49.982,
103.199

 64, 49.982,
103.199

 100, 49.982,
103.199

 54, 49.982,
103.199

 84, 49.982,
103.199

 44, 49.982,
103.199

 94, 49.982,
103.199

 34, 49.982,
103.199

 24, 49.982,
103.199

 14, 49.982,
103.199

 4, 49.982, 103.199

 0, 49.982, 103.199

■ 64, 49.982,
103.199

■ 64, 49.982,
103.199

■ 64, 56.543,
102.426

■ 64, 42.550,
104.069

■ 64, 61.824,
101.774

■ 65, 34.563,
104.998

■ 63, 65.418,
101.275

■ 65, 26.240,
105.962

■ 63, 67.468,
100.918

■ 66, 17.724,
106.941

■ 66, 9.107, 107.916

■ 67, 0.447, 108.743

■ 67, 8.219, 289.838

■ 68, 16.866,
290.745

■ 68, 25.477,
291.619

Harmonies

Complementary

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



64, 49.982, 103.199



33, 59.157, 298.443

Rectangle

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



64, 49.982, 103.199



64, 49.982, 153.199



64, 49.982, 283.199



64, 49.982, 333.199

Sweetspot

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



64, 49.983, 103.202



84, 19.346, 107.154



41, 45.112, 25.021



44, 13.539, 106.881



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 49.983, 103.202



81, 71.719, 102.157



62, 55.145, 125.249



34, 4.927, 108.037



57, 62.355, 100.936



5, 7.623, 108.513

Inverse Universe

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



33, 59.157, 298.443



36, 90.274, 301.594



37, 60.821, 311.091



32, 5.028, 289.899



16, 86.472, 305.797



0, 7.727, 289.058

Previews

White Background



This preview shows how the CIELCh color 64, 49.982, 103.199 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, 49.982, 103.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

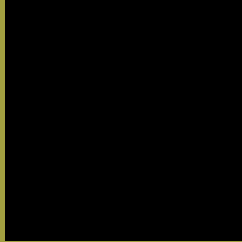
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 49.982, 103.199

Background



This preview shows how black text looks on a background with the CIELCh color 64, 49.982, 103.199.



This preview shows how white text looks on a background with the CIELCh color 64, 49.982, 103.199.

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, 49.982, 103.199

Protanopia

64, 49.465, 95.276

Deuteranopia

64, 48.486, 80.043



Tritanopia
64, 10.800, 342.277

Trichromacy



Original Color
64, 49.982, 103.199

Protanomaly
64, 49.522, 97.938

Deuteranomaly
64, 47.809, 88.409

Tritanomaly
64, 16.253, 86.001

Monochromacy



Original Color
64, 49.982, 103.199

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 19.412, 106.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 49.982, 103.199 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(162, 159, 64)` looks like.

```
.text, #text, p{  
    color:rgb(162, 159, 64)  
}
```

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(162, 159, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 159, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 49.982, 103.199 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(162, 159, 64) }
```

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

```
.border{ border-color:rgb(162, 159, 64) }
```

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

Here you see how a box with a 4 pixel rgb(162, 159, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 159, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 159, 64);  
box-shadow:4px 4px 4px 4px rgb(162, 159,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 49.982, 103.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 159, 64) }
```

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

```
.background{ background-color: rgb(162,  
159, 64) }
```

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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