

Converting Colors

CIELCh(63, 42.296, 99.244)

Have a look what the booklet for
CIELCh(63, 42.296, 99.244) contains.

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Color

CIELCh(63, 42.322, 99.427)

Conversions

Conversions Part 1

Format	Color
Hex	A49A4C
RGB	164, 154, 76
RGB Percent	64%, 60%, 30%
CMY	0.3563, 0.3955, 0.7015
CMYK	0.00, 0.06, 0.54, 0.36
HSL	53°, 37%, 47%
HSV	53°, 54%, 64%
XYZ	28.2260, 31.5869, 11.4700
YIQ	148.0980, 30.9980, -22.1380

Conversions

Conversions Part 2

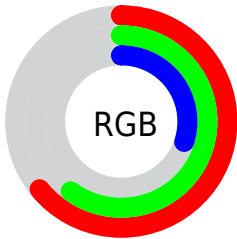
Format	Color
RYB	87, 164, 76
Decimal	10787404
CIELab	63.00, -6.93, 41.75
CIElCh	63, 42.322, 99.427
Yxy	31.5869, 0.3960, 0.4431
Android (android.graphics.Color)	4288977484 (0xFFA49A4C)
YUV	148.0980, -35.5443, 13.9461
Hunter-Lab	56.2022, -8.7074, 27.2414

Details

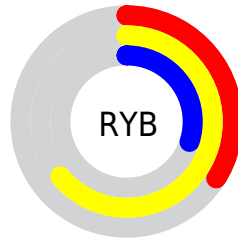
The CIELCh color **63, 42.322, 99.427** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **39, 47.497, 293.614**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 42.283, 99.130**, and **43, 42.376, 99.248** is the 20% darker color. If you saturate the color by 10%, you get **62, 49.316, 98.395**, and if you desaturate by 10%, it is **64, 34.798, 100.494**.

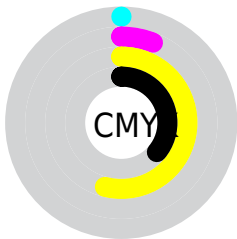
Distribution



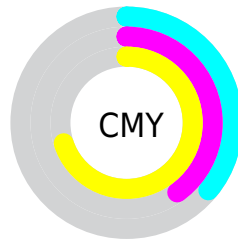
- Red (64%)
- Green (60%)
- Blue (30%)



- Red (34%)
- Yellow (64%)
- Blue (30%)



- Cyan (0%)
- Magenta (6%)
- Yellow (54%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 42.322, 99.427 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, 42.322, 99.427 by changing the saturation by 10% instead.

■ 63, 42.322, 99.427

■ 63, 42.322, 99.427

■ 100, 42.322,
99.427

■ 53, 42.322, 99.427

■ 83, 42.322, 99.427

■ 43, 42.322, 99.427

■ 93, 42.322, 99.427

■ 33, 42.322, 99.427

■ 23, 42.322, 99.427

■ 13, 42.322, 99.427

■ 3, 42.322, 99.427

■ 0, 42.322, 99.427

■ 63, 42.322, 99.427

■ 63, 42.322, 99.427

■ 62, 49.316, 98.395

■ 64, 34.798,

62, 55.429, 97.404

100.494

61, 60.200, 96.468

64, 26.974,
101.572

61, 63.168, 95.582

65, 18.997,
102.649

60, 64.436, 95.034

66, 10.955,
103.711

67, 2.902, 104.730

68, 5.129, 285.796

69, 13.120,
286.763

70, 21.059,
287.698

71, 28.939,
288.592

Harmonies

Complementary

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



63, 42.322, 99.427



39, 47.497, 293.614

Rectangle

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



63, 42.322, 99.427



63, 42.322, 149.427



63, 42.322, 279.427



63, 42.322, 329.427

Sweetspot

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



63, 42.323, 99.430



84, 15.987, 103.428



44, 39.070, 17.170



44, 10.775, 103.223



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 42.323, 99.430



79, 61.381, 98.235



63, 48.981, 122.278



34, 4.526, 104.165



54, 58.981, 95.121



4, 6.821, 103.461

Inverse Universe

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



39, 47.497, 293.614



45, 71.926, 296.396



40, 54.266, 308.257



32, 4.600, 286.160



18, 82.141, 304.348



1, 7.143, 285.662

Previews

White Background



This preview shows how the CIELCh color 63, 42.322, 99.427 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, 42.322, 99.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

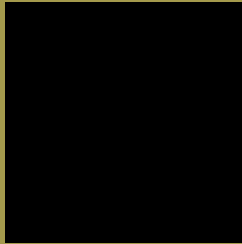
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 42.322, 99.427

Background



This preview shows how black text looks on a background with the CIELCh color 63, 42.322, 99.427.



This preview shows how white text looks on a background with the CIELCh color 63, 42.322, 99.427.

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, 42.322, 99.427

Protanopia

63, 42.285, 95.745

Deuteranopia

63, 41.931, 78.871



Tritanopia
63, 12.437, 348.132

Trichromacy



Original Color
63, 42.322, 99.427

Protanomaly
63, 42.122, 96.952

Deuteranomaly
63, 41.482, 85.982

Tritanomaly
63, 14.208, 71.164

Monochromacy



Original Color
63, 42.322, 99.427

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 15.690, 102.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 42.322, 99.427 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(164, 154, 76)` looks like.

```
.text, #text, p{  
    color:rgb(164, 154, 76)  
}
```

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(164, 154, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 154, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 42.322, 99.427 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(164, 154, 76) }
```

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

```
.border{ border-color:rgb(164, 154, 76) }
```

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

Here you see how a box with a 4 pixel rgb(164, 154, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 154, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 154, 76);  
box-shadow:4px 4px 4px 4px rgb(164, 154,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 42.322, 99.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 154, 76) }
```

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

```
.background{ background-color: rgb(164,  
154, 76) }
```

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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