

Converting Colors

CIELCh(49, 42.094, 99.335)

Have a look what the booklet for
CIELCh(49, 42.094, 99.335) contains.

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Color

CIELCh(49, 42.082, 99.321)

Conversions

Conversions Part 1

Format	Color
Hex	7E762A
RGB	126, 118, 42
RGB Percent	49%, 46%, 16%
CMY	0.5054, 0.5368, 0.8349
CMYK	0.00, 0.06, 0.67, 0.51
HSL	54°, 50%, 33%
HSV	54°, 67%, 49%
XYZ	15.5316, 17.5941, 4.7778
YIQ	111.7280, 29.1640, -21.9400

Conversions

Conversions Part 2

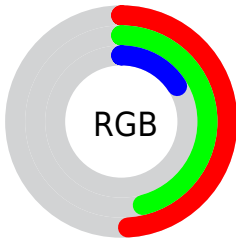
Format	Color
R_{YB}	51, 126, 42
Decimal	8287786
CIE _{Lab}	49.00, -6.82, 41.53
CIE _{LCh}	49, 42.082, 99.321
Yxy	17.5941, 0.4098, 0.4642
Android (android.graphics.Color)	4286477866 (0xFF7E762A)
YUV	111.7280, -34.3759, 12.5165
Hunter-Lab	41.9453, -7.3087, 22.6083

Details

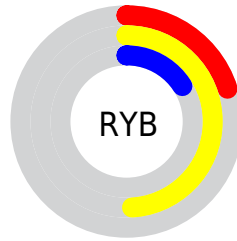
The CIELCh color **49, 42.082, 99.321** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **25, 49.665, 297.107**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 41.882, 99.300**, and **29, 38.203, 99.676** is the 20% darker color. If you saturate the color by 10%, you get **49, 46.909, 98.420**, and if you desaturate by 10%, it is **49, 36.492, 100.285**.

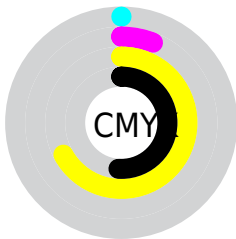
Distribution



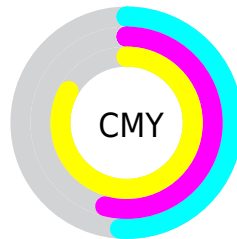
- Red (49%)
- Green (46%)
- Blue (16%)



- Red (20%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (6%)
- Yellow (67%)
- Black (51%)



- Cyan (51%)
- Magenta (54%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 42.082, 99.321 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 49, 42.082, 99.321 by changing the saturation by 10% instead.

49, 42.082, 99.321

49, 42.082, 99.321

100, 42.082,
99.321

39, 42.082, 99.321

69, 42.082, 99.321

29, 42.082, 99.321

79, 42.082, 99.321

19, 42.082, 99.321

89, 42.082, 99.321

9, 42.082, 99.321

99, 42.082, 99.321

0, 42.082, 99.321

49, 42.082, 99.321

49, 42.082, 99.321

49, 46.909, 98.420

49, 36.492,
100.285

48, 50.615, 97.588

50, 30.422,

■ 48, 53.066, 96.824

101.287

■ 48, 53.876, 96.573

■ 51, 24.069,
102.310

■ 51, 17.560,
103.340

■ 52, 10.975,
104.363

■ 52, 4.364, 105.362

■ 53, 2.244, 286.397

■ 54, 8.829, 287.326

■ 55, 15.380,
288.241

Harmonies

Complementary

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



49, 42.082, 99.321



25, 49.665, 297.107

Rectangle

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



49, 42.082, 99.321



49, 42.082, 149.321



49, 42.082, 279.321



49, 42.082, 329.321

Sweetspot

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



49, 42.082, 99.324



65, 16.312, 103.971



30, 39.722, 21.519



34, 11.069, 103.736



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 42.082, 99.324



62, 59.147, 97.973



49, 48.093, 122.627



27, 3.756, 105.117



48, 54.298, 96.566



0, 0.000, 0.000

Inverse Universe

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



25, 49.665, 297.107



26, 74.989, 300.842



26, 54.493, 309.475



25, 3.819, 287.002



14, 75.104, 304.505



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 42.082, 99.321 looks on a white background.

Color Contrast Check

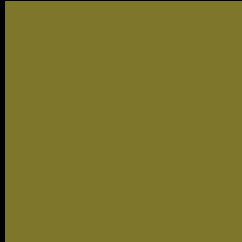
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 42.082, 99.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

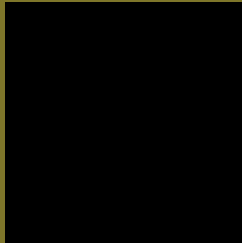
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 42.082, 99.321

Background



This preview shows how black text looks on a background with the CIELCh color 49, 42.082, 99.321.



This preview shows how white text looks on a background with the CIELCh color 49, 42.082, 99.321.

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

49, 42.082, 99.321

Protanopia

49, 41.973, 96.019

Deuteranopia

49, 41.188, 81.392



Tritanopia
49, 10.144, 353.215

Trichromacy



Original Color
49, 42.082, 99.321

Protanomaly
49, 41.893, 96.668

Deuteranomaly
49, 41.047, 88.401

Tritanomaly
49, 15.254, 80.700

Monochromacy



Original Color
49, 42.082, 99.321

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 15.840, 103.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 42.082, 99.321 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(126, 118, 42)` looks like.

```
.text, #text, p{  
    color:rgb(126, 118, 42)  
}
```

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(126, 118, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 118, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 42.082, 99.321 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(126, 118, 42) }
```

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

```
.border{ border-color:rgb(126, 118, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 118, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 118, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 118, 42);  
box-shadow:4px 4px 4px 4px rgb(126, 118,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 42.082, 99.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 118, 42) }
```

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

```
.background{ background-color: rgb(126,  
118, 42) }
```

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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