

Converting Colors

CIELCh(42, 49.844, 122.689)

Have a look what the booklet for
CIELCh(42, 49.844, 122.689)
contains.

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Color

CIELCh(42, 49.566, 122.573)

Conversions

Conversions Part 1

Format	Color
Hex	4A6D15
RGB	74, 109, 21
RGB Percent	29%, 43%, 8%
CMY	0.7090, 0.5717, 0.9167
CMYK	0.32, 0.00, 0.81, 0.57
HSL	84°, 67%, 26%
HSV	84°, 81%, 43%
XYZ	8.4680, 12.5000, 2.6873
YIQ	88.5030, 7.3880, -34.7880

Conversions

Conversions Part 2

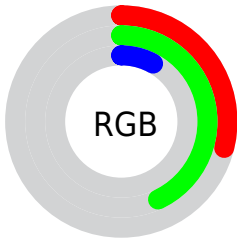
Format	Color
R_{YB}	21, 109, 56
Decimal	4877589
CIE _{Lab}	42.00, -26.69, 41.77
CIE _{LCh}	42, 49.566, 122.573
Yxy	12.5000, 0.3580, 0.5284
Android (android.graphics.Color)	4283067669 (0xFF4A6D15)
YUV	88.5030, -33.2790, -12.7191
Hunter-Lab	35.3553, -19.1190, 20.2422

Details

The CIELCh color **42, 49.566, 122.573** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **18, 57.776, 310.007**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 49.694, 122.613**, and **22, 38.896, 129.937** is the 20% darker color. If you saturate the color by 10%, you get **42, 53.199, 122.994**, and if you desaturate by 10%, it is **42, 44.888, 122.510**.

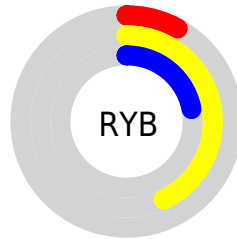
Distribution



Red (29%)

Green (43%)

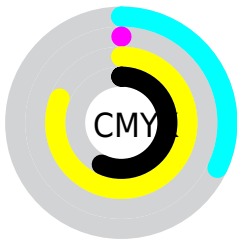
Blue (8%)



Red (8%)

Yellow (43%)

Blue (22%)

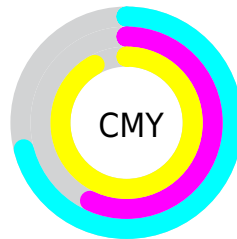


Cyan (32%)

Magenta (0%)

Yellow (81%)

Black (57%)



Cyan (71%)


Magenta (57%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 49.566, 122.573 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 42, 49.566, 122.573 by changing the saturation by 10% instead.


 42, 49.566,
122.573


 42, 49.566,
122.573


 100, 49.566,
122.573


 32, 49.566,
122.573

 62, 49.566,
122.573


 22, 49.566,
122.573

 72, 49.566,
122.573

 12, 49.566,
122.573

 82, 49.566,
122.573

 2, 49.566, 122.573

 92, 49.566,
122.573

 0, 49.566, 122.573

 42, 49.566,

 42, 49.566,

122.573

■ 42, 53.199,
122.994

■ 41, 56.135,
123.485

122.573

■ 42, 44.888,
122.510

■ 43, 39.429,
122.697

■ 43, 33.432,
123.043

■ 44, 27.087,
123.479

■ 44, 20.528,
123.959

■ 45, 13.848,
124.452

■ 45, 7.112, 124.941

■ 46, 0.366, 125.545

Harmonies

Complementary

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



42, 49.566, 122.573



18, 57.776, 310.007

Rectangle

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



42, 49.566, 122.573



42, 49.566, 172.573



42, 49.566, 302.573



42, 49.566, 352.573

Sweetspot

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



42, 49.566, 122.574



57, 20.132, 124.250



30, 37.485, 55.311



29, 13.724, 124.117



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 49.566, 122.574



54, 67.381, 123.698



40, 56.541, 135.918



22, 3.726, 125.018



44, 59.124, 123.612



88, 102.501, 124.544

Inverse Universe

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



18, 57.776, 310.007



20, 81.070, 310.050



25, 56.288, 324.060



20, 3.782, 305.841



15, 71.490, 310.259



36, 123.874, 309.643

Previews

White Background



This preview shows how the CIELCh color 42, 49.566, 122.573 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 42, 49.566, 122.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

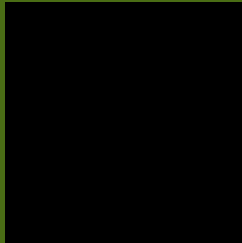
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 49.566, 122.573

Background



This preview shows how black text looks on a background with the CIELCh color 42, 49.566, 122.573.



This preview shows how white text looks on a background with the CIELCh color 42, 49.566, 122.573.

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

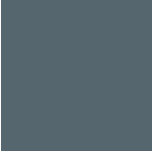
42, 49.566, 122.573

Protanopia

42, 43.638, 95.712

Deuteranopia

42, 40.363, 82.418



Tritanopia
42, 7.995, 236.157

Trichromacy



Original Color
42, 49.566, 122.573

Protanomaly
42, 44.506, 106.757

Deuteranomaly
42, 41.054, 99.832

Tritanomaly
42, 19.221, 140.028

Monochromacy



Original Color
42, 49.566, 122.573

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 20.020, 122.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 49.566, 122.573 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(74, 109, 21)` looks like.

```
.text, #text, p{  
    color:rgb(74, 109, 21)  
}
```

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(74, 109, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 109, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 49.566, 122.573 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(74, 109, 21) }
```

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

```
.border{ border-color:rgb(74, 109, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 109, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 109, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 109, 21);  
box-shadow:4px 4px 4px 4px rgb(74, 109,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 49.566, 122.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 109, 21) }
```

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

```
.background{ background-color: rgb(74, 109,  
21) }
```

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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