

Converting Colors

CIELCh(49, 28.564, 120.947)

Have a look what the booklet for
CIELCh(49, 28.564, 120.947)
contains.

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Color

CIELCh(49, 28.408, 120.976)

Conversions

Conversions Part 1

Format	Color
Hex	6A7A4A
RGB	106, 122, 74
RGB Percent	42%, 48%, 29%
CMY	0.5829, 0.5201, 0.7085
CMYK	0.13, 0.00, 0.39, 0.52
HSL	80°, 24%, 39%
HSV	80°, 39%, 48%
XYZ	14.2388, 17.5941, 9.1845
YIQ	111.7440, 5.8720, -18.3200

Conversions

Conversions Part 2

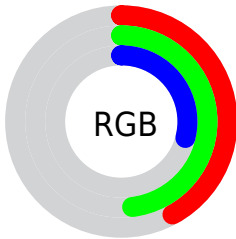
Format	Color
RYB	74, 122, 90
Decimal	6978122
CIELab	49.00, -14.62, 24.36
CIELCh	49, 28.408, 120.976
Yxy	17.5941, 0.3471, 0.4289
Android (android.graphics.Color)	4285168202 (0xFF6A7A4A)
YUV	111.7440, -18.6078, -5.0375
Hunter-Lab	41.9453, -12.8103, 16.3794

Details

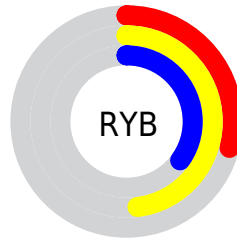
The CIELCh color $49, 28.408, 120.976$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 30.604, 305.546$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 28.355, 120.673$, and $29, 27.928, 120.524$ is the 20% darker color. If you saturate the color by 10%, you get $49, 35.280, 120.499$, and if you desaturate by 10%, it is $50, 21.304, 121.502$.

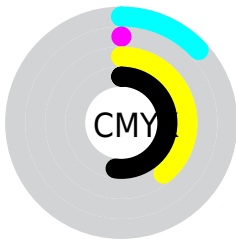
Distribution



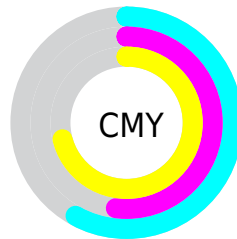
- Red (42%)
- Green (48%)
- Blue (29%)



- Red (29%)
- Yellow (48%)
- Blue (35%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (52%)




- Cyan (58%)
- Magenta (52%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 28.408, 120.976 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, 28.408, 120.976 by changing the saturation by 10% instead.


 49, 28.408,
120.976


 49, 28.408,
120.976


 100, 28.408,
120.976

 39, 28.408,
120.976

 69, 28.408,
120.976


 29, 28.408,
120.976

 79, 28.408,
120.976

 19, 28.408,
120.976

 89, 28.408,
120.976

 9, 28.408, 120.976

 99, 28.408,
120.976

 0, 28.408, 120.976

 49, 28.408,

 49, 28.408,

120.976

120.976

■ 49, 35.280,
120.499

■ 50, 21.304,
121.502

■ 48, 41.769,
120.110

■ 50, 14.065,
122.041

■ 48, 47.669,
119.879

■ 51, 6.762, 122.576

■ 47, 52.704,
119.895

■ 51, 0.558, 303.008

■ 52, 7.860, 303.566

■ 47, 56.577,
120.259

■ 53, 15.120,
304.027

■ 47, 59.533,
120.871

■ 54, 22.318,
304.455

■ 47, 59.761,
120.911

■ 55, 29.443,
304.851

■ 55, 36.483,

Harmonies

Complementary

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



49, 28.408, 120.976



35, 30.604, 305.546

Rectangle

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



49, 28.408, 120.976



49, 28.408, 170.976



49, 28.408, 300.976



49, 28.408, 350.976

Sweetspot

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



49, 28.409, 120.978



64, 10.823, 122.414



41, 18.055, 51.212



33, 7.139, 122.363



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 28.409, 120.978



62, 41.583, 120.549



47, 32.400, 137.190



25, 4.120, 122.585



48, 60.677, 120.943



91, 102.703, 121.741

Inverse Universe

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



35, 30.604, 305.546



41, 45.725, 306.242



38, 32.875, 320.971



24, 4.189, 303.524



15, 75.797, 309.114



36, 128.413, 308.601

Previews

White Background



This preview shows how the CIELCh color 49, 28.408, 120.976 looks on a white background.

Color Contrast Check

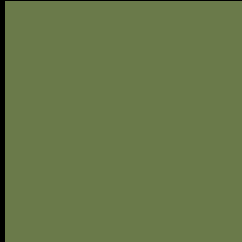
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 28.408, 120.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

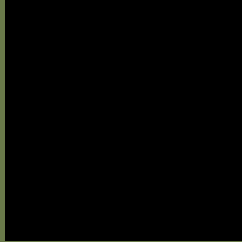
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.408, 120.976

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.408, 120.976.



This preview shows how white text looks on a background with the CIELCh color 49, 28.408, 120.976.

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, 28.408, 120.976

Protanopia

49, 25.945, 95.483

Deuteranopia

49, 23.937, 74.816



Tritanopia
49, 5.396, 278.394

Trichromacy



Original Color
49, 28.408, 120.976

Protanomaly
49, 25.904, 105.676

Deuteranomaly
49, 23.325, 93.503

Tritanomaly
49, 7.079, 133.327

Monochromacy



Original Color
49, 28.408, 120.976

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 10.859, 122.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.408, 120.976 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(106, 122, 74)` looks like.

```
.text, #text, p{  
    color:rgb(106, 122, 74)  
}
```

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(106, 122, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 122, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.408, 120.976 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(106, 122, 74) }
```

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

```
.border{ border-color:rgb(106, 122, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 122, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 122, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 122, 74);  
box-shadow:4px 4px 4px 4px rgb(106, 122,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.408, 120.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 122, 74) }
```

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

```
.background{ background-color: rgb(106,  
122, 74) }
```

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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