

Converting Colors

CIELCh(49, 30.512, 150.830)

Have a look what the booklet for
CIELCh(49, 30.512, 150.830)
contains.

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Color

CIELCh(49, 30.839, 150.584)

Conversions

Conversions Part 1

Format	Color
Hex	4A805A
RGB	74, 128, 90
RGB Percent	29%, 50%, 35%
CMY	0.7103, 0.4985, 0.6475
CMYK	0.42, 0.00, 0.30, 0.50
HSL	138°, 27%, 40%
HSV	138°, 42%, 50%
XYZ	12.3590, 17.5941, 12.3921
YIQ	107.5220, -19.9860, -23.2660

Conversions

Conversions Part 2

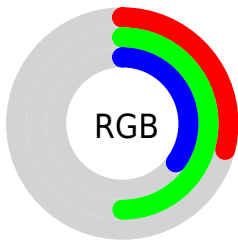
Format	Color
R_{YB}	74, 116, 128
Decimal	4882522
CIE Lab	49.00, -26.86, 15.15
CIE LCh	49, 30.839, 150.584
Yxy	17.5941, 0.2919, 0.4155
Android (android.graphics.Color)	4283072602 (0xFF4A805A)
YUV	107.5220, -8.6383, -29.3988
Hunter-Lab	41.9453, -20.8102, 11.8454

Details

The CIELCh color $49, 30.839, 150.584$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $39, 31.171, 337.175$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 30.876, 150.581$, and $29, 30.737, 150.789$ is the 20% darker color. If you saturate the color by 10%, you get $48, 37.697, 149.396$, and if you desaturate by 10%, it is $50, 23.689, 151.622$.

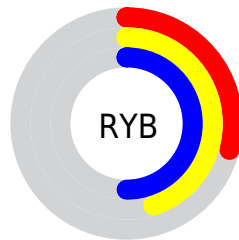
Distribution



Red (29%)

Green (50%)

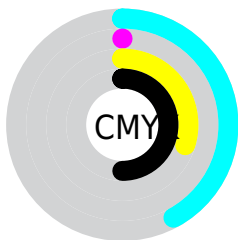
Blue (35%)



Red (29%)

Yellow (45%)

Blue (50%)

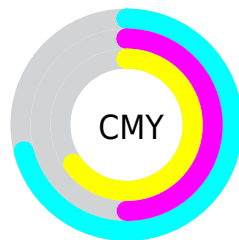


Cyan (42%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (71%)

Magenta (50%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.839, 150.584 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, 30.839, 150.584 by changing the saturation by 10% instead.


 49, 30.839,
150.584

 49, 30.839,
150.584


 100, 30.839,
150.584

 39, 30.839,
150.584

 69, 30.839,
150.584

 29, 30.839,
150.584

 79, 30.839,
150.584

 19, 30.839,
150.584

 89, 30.839,
150.584

 9, 30.839, 150.584

 99, 30.839,
150.584

 0, 30.839, 150.584

 49, 30.839,

 49, 30.839,

150.584

150.584

■ 48, 37.697,
149.396

■ 50, 23.689,
151.622

■ 48, 44.129,
148.044

■ 51, 16.367,
152.530

■ 47, 50.007,
146.519

■ 52, 8.982, 153.331

■ 47, 55.221,
144.832

■ 53, 1.621, 154.147

■ 55, 5.648, 334.567

■ 47, 59.689,
143.016

■ 56, 12.775,
335.134

■ 46, 62.766,
141.701

■ 58, 19.726,
335.627

■ 59, 26.481,
336.069

■ 61, 33.028,

Harmonies

Complementary

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



49, 30.839, 150.584



39, 31.171, 337.175

Rectangle

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



49, 30.839, 150.584



49, 30.839, 200.584



49, 30.839, 330.584



49, 30.839, 20.584

Sweetspot

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



49, 30.840, 150.584



66, 11.814, 153.249



51, 31.305, 118.775



34, 8.337, 153.100



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 30.840, 150.584



62, 45.513, 149.402



50, 20.927, 178.008



26, 4.125, 153.567



46, 62.622, 141.708



0, 0.000, 0.000

Inverse Universe

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



39, 31.171, 337.175



47, 45.840, 338.033



38, 24.664, 7.054



25, 4.145, 334.697



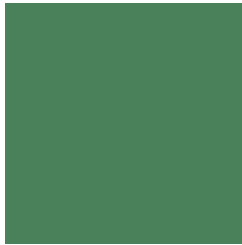
28, 55.673, 343.956



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 30.839, 150.584 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, 30.839, 150.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

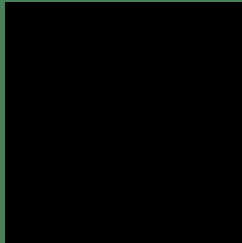
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.839, 150.584

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.839, 150.584.



This preview shows how white text looks on a background with the CIELCh color 49, 30.839, 150.584.

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, 30.839, 150.584

Protanopia
49, 19.059, 95.462

Deuteranopia
49, 15.098, 64.028



Tritanopia
49, 14.683, 221.894

Trichromacy



Original Color
49, 30.839, 150.584

Protanomaly
48, 20.647, 124.580

Deuteranomaly
48, 14.686, 114.957

Tritanomaly
49, 16.866, 183.404

Monochromacy



Original Color
49, 30.839, 150.584

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.700, 153.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.839, 150.584 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, 128, 90)` looks like.

```
.text, #text, p{  
    color:rgb(74, 128, 90)  
}
```

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, 128, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 128, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.839, 150.584 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, 128, 90) }
```

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

```
.border{ border-color:rgb(74, 128, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 128, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 128, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 128, 90);  
box-shadow:4px 4px 4px 4px rgb(74, 128,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.839, 150.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 128, 90) }
```

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

```
.background{ background-color: rgb(74, 128,  
90) }
```

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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