

Converting Colors

CIELCh(49, 30.426, 118.993)

Have a look what the booklet for
CIELCh(49, 30.426, 118.993)
contains.

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Color

CIELCh(49, 30.425, 118.978)

Conversions

Conversions Part 1

Format	Color
Hex	6B7A46
RGB	107, 122, 70
RGB Percent	42%, 48%, 27%
CMY	0.5791, 0.5202, 0.7243
CMYK	0.12, 0.00, 0.43, 0.52
HSL	77°, 27%, 38%
HSV	77°, 43%, 48%
XYZ	14.2197, 17.5941, 8.4928
YIQ	111.5870, 7.7520, -19.3520

Conversions

Conversions Part 2

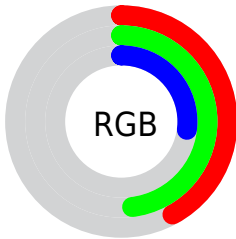
Format	Color
RYB	70, 122, 85
Decimal	7043654
CIELab	49.00, -14.74, 26.62
CIELCh	49, 30.425, 118.978
Yxy	17.5941, 0.3528, 0.4365
Android (android.graphics.Color)	4285233734 (0xFF6B7A46)
YUV	111.5870, -20.5024, -4.0228
Hunter-Lab	41.9453, -12.8918, 17.3570

Details

The CIELCh color $49, 30.425, 118.978$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 33.200, 304.386$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 30.324, 118.883$, and $29, 30.479, 118.864$ is the 20% darker color. If you saturate the color by 10%, you get $49, 37.115, 118.492$, and if you desaturate by 10%, it is $49, 23.456, 119.527$.

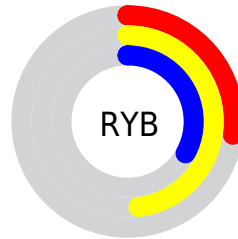
Distribution



Red (42%)

Green (48%)

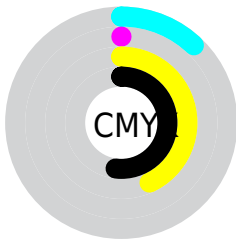
Blue (27%)



Red (27%)

Yellow (48%)

Blue (33%)

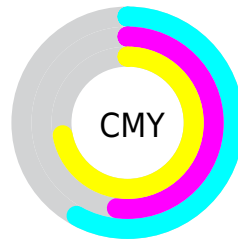


Cyan (12%)

Magenta (0%)

Yellow (43%)

Black (52%)



Cyan (58%)


Magenta (52%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.425, 118.978 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, 30.425, 118.978 by changing the saturation by 10% instead.


 49, 30.425,
118.978


 49, 30.425,
118.978


 100, 30.425,
118.978


 39, 30.425,
118.978

 69, 30.425,
118.978


 29, 30.425,
118.978

 79, 30.425,
118.978

 19, 30.425,
118.978

 89, 30.425,
118.978

 9, 30.425, 118.978

 99, 30.425,
118.978

 0, 30.425, 118.978

 49, 30.425,

 49, 30.425,

118.978

■ 49, 37.115,
118.492

■ 48, 43.356,
118.112

■ 48, 48.917,
117.913

■ 47, 53.508,
117.984

■ 47, 56.846,
118.418

■ 47, 58.969,
118.817

118.978

■ 49, 23.456,
119.527

■ 50, 16.319,
120.098

■ 51, 9.092, 120.672

■ 51, 1.828, 121.244

■ 52, 5.435, 301.758

■ 53, 12.670,
302.269

■ 53, 19.857,
302.748

■ 54, 26.982,
303.194

■ 55, 34.034,

Harmonies

Complementary

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



49, 30.425, 118.978



34, 33.200, 304.386

Rectangle

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



49, 30.425, 118.978



49, 30.425, 168.978



49, 30.425, 298.978



49, 30.425, 348.978

Sweetspot

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



49, 30.426, 118.980



64, 11.640, 120.627



40, 20.002, 47.625



33, 8.098, 120.522



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, 30.426, 118.980



62, 44.474, 118.506



47, 34.665, 136.080



25, 4.090, 120.868



48, 59.882, 118.847



91, 101.252, 119.586

Inverse Universe

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



34, 33.200, 304.386



39, 49.758, 305.258



36, 35.341, 320.069



23, 4.164, 301.884



15, 76.402, 308.481



35, 129.413, 308.013

Previews

White Background



This preview shows how the CIELCh color 49, 30.425, 118.978 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, 30.425, 118.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

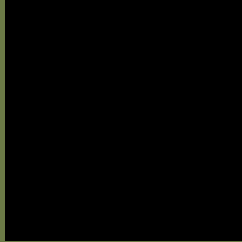
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.425, 118.978

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.425, 118.978.



This preview shows how white text looks on a background with the CIELCh color 49, 30.425, 118.978.

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, 30.425, 118.978

Protanopia
49, 28.134, 95.983

Deuteranopia
49, 26.216, 76.172



Tritanopia
49, 5.333, 282.478

Trichromacy



Original Color
49, 30.425, 118.978

Protanomaly
49, 28.124, 104.514

Deuteranomaly
49, 25.646, 93.275

Tritanomaly
49, 8.019, 127.242

Monochromacy



Original Color
49, 30.425, 118.978

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 11.427, 121.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.425, 118.978 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(107, 122, 70)` looks like.

```
.text, #text, p{  
    color:rgb(107, 122, 70)  
}
```

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(107, 122, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 122, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.425, 118.978 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(107, 122, 70) }
```

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

```
.border{ border-color:rgb(107, 122, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 122, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 122, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 122, 70);  
box-shadow:4px 4px 4px 4px rgb(107, 122,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.425, 118.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 122, 70) }
```

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

```
.background{ background-color: rgb(107,  
122, 70) }
```

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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