

Converting Colors

CIELCh(49, 41.508, 114.583)

Have a look what the booklet for
CIELCh(49, 41.508, 114.583)
contains.

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Color

CIELCh(49, 41.494, 114.403)

Conversions

Conversions Part 1

Format	Color
Hex	6C7B31
RGB	108, 123, 49
RGB Percent	42%, 48%, 19%
CMY	0.5762, 0.5174, 0.8076
CMYK	0.12, 0.00, 0.60, 0.52
HSL	72°, 43%, 34%
HSV	72°, 60%, 48%
XYZ	13.8369, 17.5941, 5.5785
YIQ	110.0790, 14.8140, -26.1940

Conversions

Conversions Part 2

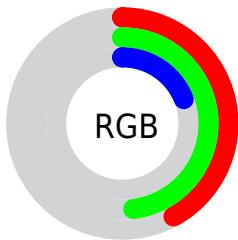
Format	Color
RYB	49, 123, 64
Decimal	7109425
CIELab	49.00, -17.14, 37.79
CIELCh	49, 41.494, 114.403
Yxy	17.5941, 0.3739, 0.4754
Android (android.graphics.Color)	4285299505 (0xFF6C7B31)
YUV	110.0790, -30.1119, -1.8233
Hunter-Lab	41.9453, -14.5206, 21.4764

Details

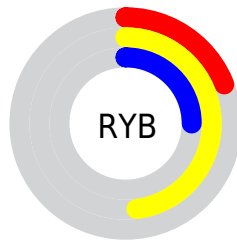
The CIELCh color $49, 41.494, 114.403$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $26, 48.196, 303.764$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 41.378, 114.261$, and $29, 40.625, 114.474$ is the 20% darker color. If you saturate the color by 10%, you get $49, 47.129, 114.054$, and if you desaturate by 10%, it is $49, 35.225, 114.904$.

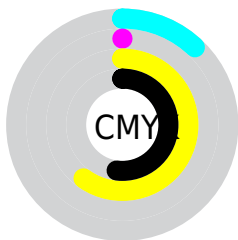
Distribution



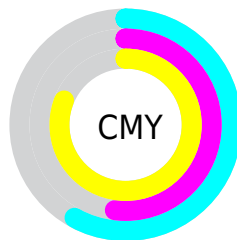
- Red (42%)
- Green (48%)
- Blue (19%)



- Red (19%)
- Yellow (48%)
- Blue (25%)



- Cyan (12%)
- Magenta (0%)
- Yellow (60%)
- Black (52%)




- Cyan (58%)
- Magenta (52%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 41.494, 114.403 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, 41.494, 114.403 by changing the saturation by 10% instead.


 49, 41.494,
114.403


 49, 41.494,
114.403


 100, 41.494,
114.403

 39, 41.494,
114.403

 69, 41.494,
114.403


 29, 41.494,
114.403

 79, 41.494,
114.403

 19, 41.494,
114.403

 89, 41.494,
114.403

 9, 41.494, 114.403

 99, 41.494,
114.403

 0, 41.494, 114.403

 49, 41.494,

 49, 41.494,

114.403

114.403

■ 49, 47.129,
114.054

■ 49, 35.225,
114.904

■ 48, 51.841,
113.927

■ 50, 28.541,
115.494

■ 48, 55.330,
114.107

■ 50, 21.596,
116.133

■ 48, 57.936,
114.475

■ 51, 14.496,
116.791

■ 51, 7.312, 117.448

■ 52, 0.091, 118.186

■ 52, 7.132, 298.709

■ 53, 14.334,
299.301

■ 53, 21.497,

Harmonies

Complementary

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



49, 41.494, 114.403



26, 48.196, 303.764

Rectangle

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



49, 41.494, 114.403



49, 41.494, 164.403



49, 41.494, 294.403



49, 41.494, 344.403

Sweetspot

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



49, 41.495, 114.405



65, 16.125, 116.903



34, 31.636, 40.324



34, 11.284, 116.739



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, 41.495, 114.405



62, 59.436, 113.978



47, 46.998, 132.807



26, 4.045, 117.518



49, 58.578, 114.491



93, 98.856, 115.068

Inverse Universe

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



26, 48.196, 303.764



29, 72.344, 305.376



30, 48.910, 318.044



23, 4.124, 298.709



14, 77.409, 307.519



33, 131.003, 307.155

Previews

White Background



This preview shows how the CIELCh color 49, 41.494, 114.403 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, 41.494, 114.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

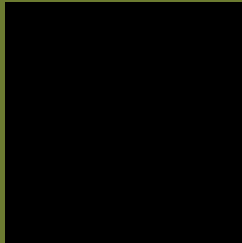
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 41.494, 114.403

Background



This preview shows how black text looks on a background with the CIELCh color 49, 41.494, 114.403.



This preview shows how white text looks on a background with the CIELCh color 49, 41.494, 114.403.

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, 41.494, 114.403

Protanopia

49, 39.270, 95.098

Deuteranopia

49, 37.190, 80.322



Tritanopia
49, 5.903, 294.760

Trichromacy



Original Color
49, 41.494, 114.403

Protanomaly
49, 39.541, 102.818

Deuteranomaly
49, 36.558, 93.257

Tritanomaly
49, 12.442, 118.376

Monochromacy



Original Color
49, 41.494, 114.403

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 16.008, 117.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 41.494, 114.403 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(108, 123, 49)` looks like.

```
.text, #text, p{  
    color:rgb(108, 123, 49)  
}
```

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(108, 123, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 123, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 41.494, 114.403 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(108, 123, 49) }
```

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

```
.border{ border-color:rgb(108, 123, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 123, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 123, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 123, 49);  
box-shadow:4px 4px 4px 4px rgb(108, 123,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 41.494, 114.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 123, 49) }
```

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

```
.background{ background-color: rgb(108,  
123, 49) }
```

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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