

Converting Colors

CIELCh(49, 65.812, 127.387)

Have a look what the booklet for
CIELCh(49, 65.812, 127.387)
contains.

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Color

CIELCh(49, 66.109, 127.492)

Conversions

Conversions Part 1

Format	Color
Hex	438401
RGB	67, 132, 1
RGB Percent	26%, 52%, 0%
CMY	0.7387, 0.4837, 0.9943
CMYK	0.49, 0.00, 0.99, 0.48
HSL	90°, 98%, 26%
HSV	90°, 99%, 52%
XYZ	10.5029, 17.5941, 2.8837
YIQ	97.6310, 3.3110, -54.5210

Conversions

Conversions Part 2

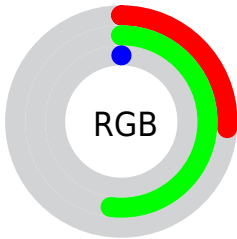
Format	Color
R_{YB}	1, 132, 66
Decimal	4424705
CIE _{Lab}	49.00, -40.24, 52.45
CIE _{LCh}	49, 66.109, 127.492
Yxy	17.5941, 0.3390, 0.5679
Android (android.graphics.Color)	4282614785 (0xFF438401)
YUV	97.6310, -47.6391, -26.8634
Hunter-Lab	41.9453, -28.7086, 25.2856

Details

The CIELCh color $49, 66.109, 127.492$ is a dark color, and the websafe version is hex 669900 . A complement of this color would be $19, 75.665, 312.217$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 66.360, 127.502$, and $29, 52.535, 136.016$ is the 20% darker color. If you saturate the color by 10%, you get $49, 66.475, 127.558$, and if you desaturate by 10%, it is $49, 62.759, 126.778$.

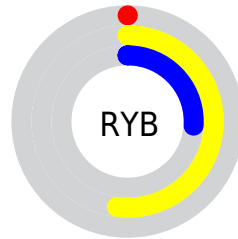
Distribution



Red (26%)

Green (52%)

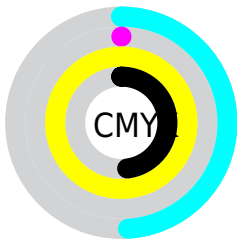
Blue (0%)



Red (0%)

Yellow (52%)

Blue (26%)

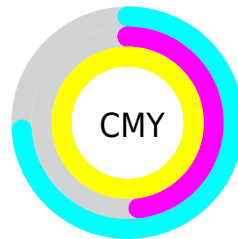


Cyan (49%)

Magenta (0%)

Yellow (99%)

Black (48%)



Cyan (74%)

Magenta (48%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 66.109, 127.492 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, 66.109, 127.492 by changing the saturation by 10% instead.

■ 49, 66.109,
127.492

■ 49, 66.109,
127.492

■ 100, 66.109,
127.492

■ 39, 66.109,
127.492

■ 69, 66.109,
127.492

■ 29, 66.109,
127.492

■ 79, 66.109,
127.492

■ 19, 66.109,
127.492

■ 89, 66.109,
127.492

■ 9, 66.109, 127.492

■ 99, 66.109,
127.492

■ 0, 66.109, 127.492

■ 49, 66.109,

■ 49, 66.109,

127.492

127.492

■ 49, 66.475,
127.558

■ 49, 62.759,
126.778

■ 50, 58.298,
126.354

■ 50, 52.594,
126.300

■ 51, 45.970,
126.501

■ 51, 38.722,
126.855

■ 52, 31.076,
127.290

■ 53, 23.195,
127.757

■ 53, 15.192,
128.225

Harmonies

Complementary

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



49, 66.109, 127.492



19, 75.665, 312.217

Rectangle

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



49, 66.109, 127.492



49, 66.109, 177.492



49, 66.109, 307.492



49, 66.109, 357.492

Sweetspot

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



49, 66.109, 127.493



67, 29.772, 127.673



35, 51.662, 60.530



35, 20.441, 127.504



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 66.109, 127.493



63, 80.717, 127.929



48, 72.918, 135.979



28, 4.554, 128.671



48, 65.873, 127.538



1, 1.092, 129.047

Inverse Universe

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



19, 75.665, 312.217



26, 92.389, 311.948



30, 70.544, 327.585



26, 4.613, 309.428



19, 75.493, 312.216



0, 1.092, 309.044

Previews

White Background



This preview shows how the CIELCh color 49, 66.109, 127.492 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, 66.109, 127.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

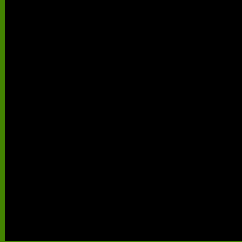
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 66.109, 127.492

Background



This preview shows how black text looks on a background with the CIELCh color 49, 66.109, 127.492.



This preview shows how white text looks on a background with the CIELCh color 49, 66.109, 127.492.

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, 66.281, 127.411

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 48.624, 82.542



Tritanopia
49, 14.403, 222.410

Trichromacy



Original Color
49, 66.281, 127.411

Protanomaly
48, 56.444, 109.647

Deuteranomaly
48, 50.883, 103.894

Tritanomaly
49, 30.859, 145.856

Monochromacy



Original Color
49, 66.281, 127.411

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 29.994, 127.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 66.109, 127.492 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(67, 132, 1)` looks like.

```
.text, #text, p{  
    color:rgb(67, 132, 1)  
}
```

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(67, 132, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 132, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 66.109, 127.492 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(67, 132, 1) }
```

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

```
.border{ border-color:rgb(67, 132, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 132, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 132, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 132, 1);  
box-shadow:4px 4px 4px 4px rgb(67, 132, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 66.109, 127.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 132, 1) }
```

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

```
.background{ background-color: rgb(67, 132,  
1) }
```

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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