

Converting Colors

CIELCh(49, 88.707, 118.176)

Have a look what the booklet for
CIELCh(49, 88.707, 118.176)
contains.

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Color

CIELCh(49, 65.972, 126.543)

Conversions

Conversions Part 1

Format	Color
Hex	458300
RGB	69, 131, 0
RGB Percent	27%, 51%, 0%
CMY	0.7283, 0.4850, 1.0000
CMYK	0.47, 0.00, 1.00, 0.48
HSL	88°, 100%, 26%
HSV	88°, 100%, 52%
XYZ	10.6289, 17.5941, 2.8047
YIQ	97.5280, 5.0990, -53.8850

Conversions

Conversions Part 2

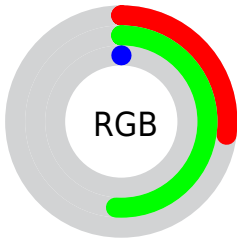
Format	Color
RYB	0, 131, 62
Decimal	4555520
CIELab	49.00, -39.28, 53.00
CIELCh	49, 65.972, 126.543
Yxy	17.5941, 0.3426, 0.5670
Android (android.graphics.Color)	4282745600 (0xFF458300)
YUV	97.5280, -48.0813, -25.0191
Hunter-Lab	41.9453, -28.1723, 25.3972

Details

The CIELCh color $49, 65.972, 126.543$ is a dark color, and the websafe version is hex 669900 . A complement of this color would be $19, 76.466, 311.609$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 65.899, 126.639$, and $29, 51.630, 135.357$ is the 20% darker color. If you saturate the color by 10%, you get $49, 65.783, 126.632$, and if you desaturate by 10%, it is $49, 62.520, 125.910$.

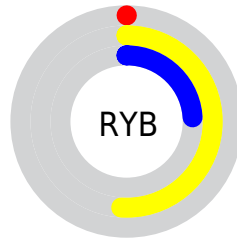
Distribution



Red (27%)

Green (51%)

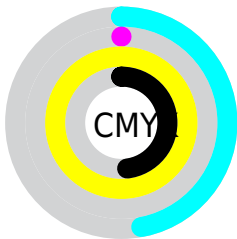
Blue (0%)



Red (0%)

Yellow (51%)

Blue (24%)

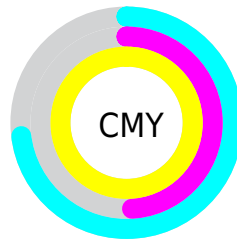


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (73%)


Magenta (49%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 65.972, 126.543 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, 65.972, 126.543 by changing the saturation by 10% instead.


 49, 65.972,
126.543


 49, 65.972,
126.543


 100, 65.972,
126.543


 39, 65.972,
126.543

 69, 65.972,
126.543


 29, 65.972,
126.543

 79, 65.972,
126.543

 19, 65.972,
126.543

 89, 65.972,
126.543

 9, 65.972, 126.543

 99, 65.972,
126.543

 0, 65.972, 126.543

 49, 65.972,

 49, 65.972,

126.543

126.543

■ 49, 65.783,
126.632

■ 49, 62.520,
125.910

■ 50, 58.273,
125.429

■ 50, 52.759,
125.331

■ 51, 46.294,
125.502

■ 51, 39.177,
125.840

■ 52, 31.643,
126.268

■ 52, 23.858,
126.735

■ 53, 15.938,
127.210

Harmonies

Complementary

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



49, 65.972, 126.543



19, 76.466, 311.609

Rectangle

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



49, 65.972, 126.543



49, 65.972, 176.543



49, 65.972, 306.543



49, 65.972, 356.543

Sweetspot

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



49, 65.783, 126.632



67, 29.573, 126.702



34, 52.504, 59.098



35, 20.302, 126.532



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, 65.783, 126.632



63, 80.015, 127.007



47, 72.987, 135.808



28, 4.526, 127.714



49, 65.309, 126.616



1, 1.085, 128.100

Inverse Universe

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



19, 76.466, 311.609



26, 92.922, 311.353



30, 70.731, 326.957



26, 4.588, 308.493



18, 75.919, 311.620



0, 1.086, 308.098

Previews

White Background



This preview shows how the CIELCh color 49, 65.972, 126.543 looks on a white background.

Color Contrast Check

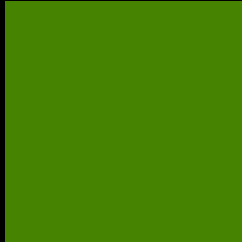
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.972, 126.543 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, 65.972, 126.543

Background



This preview shows how black text looks on a background with the CIELCh color 49, 65.972, 126.543.



This preview shows how white text looks on a background with the CIELCh color 49, 65.972, 126.543.

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, 65.678, 126.657

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 48.624, 82.542



Tritanopia
49, 13.839, 223.514

Trichromacy



Original Color
49, 65.678, 126.657

Protanomaly
48, 56.583, 109.130

Deuteranomaly
48, 51.153, 103.317

Tritanomaly
48, 30.202, 144.357

Monochromacy



Original Color
49, 65.678, 126.657

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 29.673, 125.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 65.972, 126.543 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(69, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 131, 0)  
}
```

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(69, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 131, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 65.972, 126.543 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(69, 131, 0) }
```

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

```
.border{ border-color:rgb(69, 131, 0) }
```

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

Here you see how a box with a 4 pixel rgb(69, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 131, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 65.972, 126.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 131, 0) }
```

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

```
.background{ background-color: rgb(69, 131,  
0) }
```

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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