

Converting Colors

CIELCh(49, 62.556, 122.028)

Have a look what the booklet for
CIELCh(49, 62.556, 122.028)
contains.

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Color

CIELCh(49, 62.556, 122.028)

Conversions

Conversions Part 1

Format	Color
Hex	538100
RGB	83, 129, 0
RGB Percent	33%, 51%, 0%
CMY	0.6738, 0.4934, 0.9989
CMYK	0.36, 0.00, 1.00, 0.49
HSL	81°, 100%, 25%
HSV	81°, 100%, 51%
XYZ	11.4578, 17.5941, 2.8002
YIQ	100.5400, 13.9930, -49.8710

Conversions

Conversions Part 2

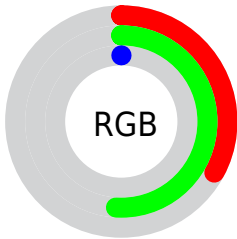
Format	Color
RYB	0, 129, 46
Decimal	5472512
CIELab	49.00, -33.18, 53.03
CIELCh	49, 62.556, 122.028
Yxy	17.5941, 0.3597, 0.5524
Android (android.graphics.Color)	4283662592 (0xFF538100)
YUV	100.5400, -49.5662, -15.3826
Hunter-Lab	41.9453, -24.6449, 25.4036

Details

The CIELCh color $49, 62.556, 122.028$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $16, 77.202, 309.442$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 62.435, 122.022$, and $29, 47.793, 130.398$ is the 20% darker color. If you saturate the color by 10%, you get $49, 62.625, 122.043$, and if you desaturate by 10%, it is $49, 59.552, 121.345$.

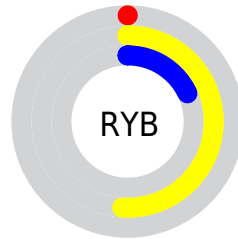
Distribution



Red (33%)

Green (51%)

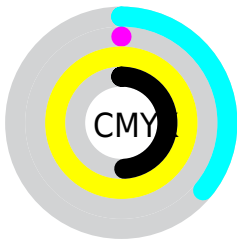
Blue (0%)



Red (0%)

Yellow (51%)

Blue (18%)

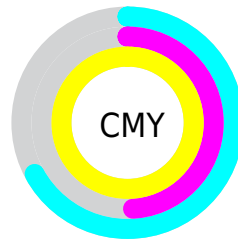


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (67%)

Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 62.556, 122.028 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, 62.556, 122.028 by changing the saturation by 10% instead.

 49, 62.556,
122.028


 49, 62.556,
122.028


 100, 62.556,
122.028

 39, 62.556,
122.028

 69, 62.556,
122.028


 29, 62.556,
122.028

 79, 62.556,
122.028

 19, 62.556,
122.028

 89, 62.556,
122.028

 9, 62.556, 122.028

 99, 62.556,
122.028

 0, 62.556, 122.028

 49, 62.556,

 49, 62.556,

122.028

122.028

■ 49, 62.625,
122.043

■ 49, 59.552,
121.345

■ 50, 55.581,
120.915

■ 50, 50.365,
120.853

■ 50, 44.216,
121.053

■ 51, 37.427,
121.419

■ 51, 30.225,
121.882

■ 52, 22.770,
122.392

■ 53, 15.171,
122.917

Harmonies

Complementary

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



49, 62.556, 122.028



16, 77.202, 309.442

Rectangle

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



49, 62.556, 122.028



49, 62.556, 172.028



49, 62.556, 302.028



49, 62.556, 352.028

Sweetspot

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



49, 62.556, 122.029



66, 28.469, 122.344



31, 54.619, 51.003



34, 19.295, 122.162



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, 62.556, 122.029



63, 76.172, 122.403



47, 71.203, 134.939



27, 4.280, 123.474



48, 62.029, 122.023



0, 0.000, 0.000

Inverse Universe

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



16, 77.202, 309.442



23, 94.072, 309.212



26, 70.536, 322.663



25, 4.351, 304.384



16, 76.587, 309.463



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 62.556, 122.028 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, 62.556, 122.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

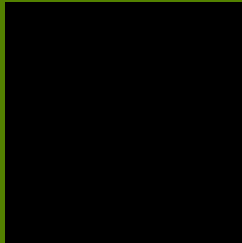
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 62.556, 122.028

Background



This preview shows how black text looks on a background with the CIELCh color 49, 62.556, 122.028.



This preview shows how white text looks on a background with the CIELCh color 49, 62.556, 122.028.

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, 62.556, 122.028

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 49.317, 82.733



Tritanopia
49, 10.148, 234.232

Trichromacy



Original Color
49, 62.556, 122.028

Protanomaly
49, 55.964, 106.290

Deuteranomaly
48, 51.137, 100.029

Tritanomaly
48, 26.686, 136.452

Monochromacy



Original Color
49, 62.556, 122.028

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 28.267, 121.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 62.556, 122.028 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(83, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 129, 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(83, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 129, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 62.556, 122.028 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(83, 129, 0) }
```

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

```
.border{ border-color:rgb(83, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 129, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 62.556, 122.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 129, 0) }
```

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

```
.background{ background-color: rgb(83, 129,  
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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