

Converting Colors

CIELCh(49, 64.262, 124.756)

Have a look what the booklet for
CIELCh(49, 64.262, 124.756)
contains.

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Color

CIELCh(49, 63.921, 124.563)

Conversions

Conversions Part 1

Format	Color
Hex	4C8201
RGB	76, 130, 1
RGB Percent	30%, 51%, 0%
CMY	0.7008, 0.4891, 0.9942
CMYK	0.41, 0.00, 0.99, 0.49
HSL	85°, 98%, 26%
HSV	85°, 99%, 51%
XYZ	11.0335, 17.5941, 2.8568
YIQ	99.1480, 9.2250, -51.5670

Conversions

Conversions Part 2

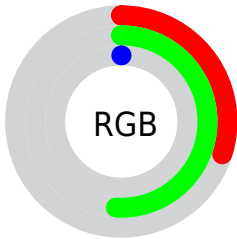
Format	Color
R_{YB}	1, 130, 55
Decimal	5014017
CIE _{Lab}	49.00, -36.26, 52.64
CIE _{LCh}	49, 63.921, 124.563
Yxy	17.5941, 0.3504, 0.5588
Android (android.graphics.Color)	4283204097 (0xFF4C8201)
YUV	99.1480, -48.3870, -20.3008
Hunter-Lab	41.9453, -26.4507, 25.3235

Details

The CIELCh color $49, 63.921, 124.563$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $18, 76.281, 310.528$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 63.940, 124.512$, and $29, 49.740, 133.114$ is the 20% darker color. If you saturate the color by 10%, you get $49, 64.284, 124.636$, and if you desaturate by 10%, it is $49, 60.739, 123.836$.

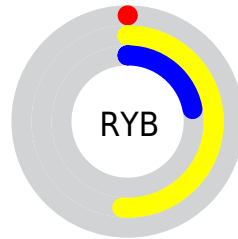
Distribution



Red (30%)

Green (51%)

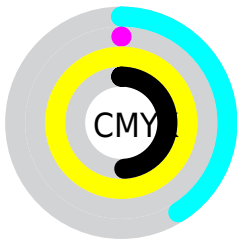
Blue (0%)



Red (0%)

Yellow (51%)

Blue (22%)

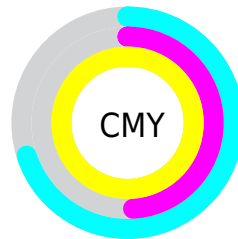


Cyan (41%)

Magenta (0%)

Yellow (99%)

Black (49%)



Cyan (70%)


Magenta (49%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 63.921, 124.563 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, 63.921, 124.563 by changing the saturation by 10% instead.


 49, 63.921,
124.563


 49, 63.921,
124.563


 100, 63.921,
124.563


 39, 63.921,
124.563

 69, 63.921,
124.563


 29, 63.921,
124.563

 79, 63.921,
124.563

 19, 63.921,
124.563

 89, 63.921,
124.563

 9, 63.921, 124.563

 99, 63.921,
124.563

 0, 63.921, 124.563

 49, 63.921,

 49, 63.921,

124.563

124.563

■ 49, 64.284,
124.636

■ 49, 60.739,
123.836

■ 50, 56.474,
123.406

■ 50, 50.986,
123.345

■ 51, 44.591,
123.540

■ 51, 37.580,
123.895

■ 52, 30.174,
124.338

■ 52, 22.531,
124.821

■ 53, 14.758,
125.313

Harmonies

Complementary

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



49, 63.921, 124.563



18, 76.281, 310.528

Rectangle

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



49, 63.921, 124.563



49, 63.921, 174.563



49, 63.921, 304.563



49, 63.921, 354.563

Sweetspot

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



49, 63.921, 124.564



66, 28.849, 124.732



33, 52.753, 55.501



34, 19.557, 124.562



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, 63.921, 124.564



62, 77.741, 125.001



47, 71.935, 135.559



28, 4.475, 125.785



49, 64.197, 124.633



1, 1.074, 126.195

Inverse Universe

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



18, 76.281, 310.528



24, 92.914, 310.293



28, 70.278, 325.089



26, 4.543, 306.618



18, 76.758, 310.539



0, 1.074, 306.193

Previews

White Background



This preview shows how the CIELCh color 49, 63.921, 124.563 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, 63.921, 124.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

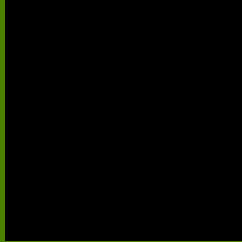
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 63.921, 124.563

Background



This preview shows how black text looks on a background with the CIELCh color 49, 63.921, 124.563.



This preview shows how white text looks on a background with the CIELCh color 49, 63.921, 124.563.

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, 63.921, 124.563

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 48.974, 82.639



Tritanopia
49, 12.133, 227.565

Trichromacy



Original Color
49, 63.921, 124.563

Protanomaly
48, 55.884, 107.784

Deuteranomaly
48, 50.821, 101.141

Tritanomaly
48, 28.165, 141.082

Monochromacy



Original Color
49, 63.921, 124.563

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 28.168, 124.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 63.921, 124.563 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(76, 130, 1)` looks like.

```
.text, #text, p{  
    color:rgb(76, 130, 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(76, 130, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 130, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 63.921, 124.563 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(76, 130, 1) }
```

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

```
.border{ border-color:rgb(76, 130, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 130, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 130, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 130, 1);  
box-shadow:4px 4px 4px 4px rgb(76, 130, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 63.921, 124.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 130, 1) }
```

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

```
.background{ background-color: rgb(76, 130,  
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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