

Converting Colors

CIELCh(49, 63.993, 124.295)

Have a look what the booklet for
CIElCh(49, 63.993, 124.295)
contains.

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Color

CIELCh(49, 63.942, 124.178)

Conversions

Conversions Part 1

Format	Color
Hex	4D8200
RGB	77, 130, 0
RGB Percent	30%, 51%, 0%
CMY	0.6974, 0.4895, 0.9989
CMYK	0.41, 0.00, 1.00, 0.49
HSL	84°, 100%, 26%
HSV	84°, 100%, 51%
XYZ	11.0801, 17.5941, 2.8195
YIQ	99.3330, 10.1420, -51.6660

Conversions

Conversions Part 2

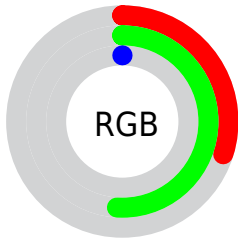
Format	Color
RYB	0, 130, 53
Decimal	5079552
CIELab	49.00, -35.92, 52.90
CIELCh	49, 63.942, 124.178
Yxy	17.5941, 0.3518, 0.5587
Android (android.graphics.Color)	4283269632 (0xFF4D8200)
YUV	99.3330, -48.9712, -19.5860
Hunter-Lab	41.9453, -26.2525, 25.3763

Details

The CIELCh color $49, 63.942, 124.178$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $17, 76.874, 310.325$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 63.794, 124.194$, and $29, 49.475, 132.674$ is the 20% darker color. If you saturate the color by 10%, you get $49, 64.008, 124.192$, and if you desaturate by 10%, it is $49, 60.814, 123.458$.

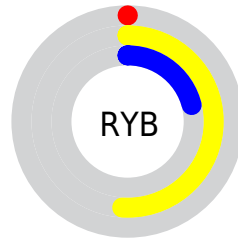
Distribution



Red (30%)

Green (51%)

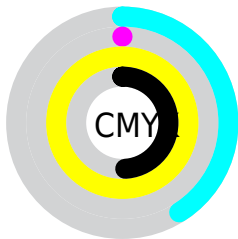
Blue (0%)



Red (0%)

Yellow (51%)

Blue (21%)

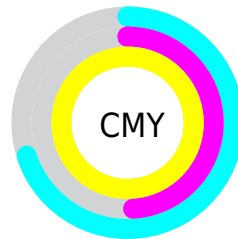


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (70%)

Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 63.942, 124.178 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, 63.942, 124.178 by changing the saturation by 10% instead.


 49, 63.942,
124.178


 49, 63.942,
124.178


 100, 63.942,
124.178


 39, 63.942,
124.178

 69, 63.942,
124.178


 29, 63.942,
124.178

 79, 63.942,
124.178

 19, 63.942,
124.178

 89, 63.942,
124.178

 9, 63.942, 124.178

 99, 63.942,
124.178

 0, 63.942, 124.178

 49, 63.942,

 49, 63.942,

124.178

124.178

■ 49, 64.008,
124.192

■ 49, 60.814,
123.458

■ 50, 56.706,
122.993

■ 50, 51.348,
122.904

■ 51, 45.054,
123.082

■ 51, 38.119,
123.428

■ 52, 30.772,
123.869

■ 52, 23.174,
124.354

■ 53, 15.436,
124.851

Harmonies

Complementary

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



49, 63.942, 124.178



17, 76.874, 310.325

Rectangle

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



49, 63.942, 124.178



49, 63.942, 174.178



49, 63.942, 304.178



49, 63.942, 354.178

Sweetspot

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



49, 63.942, 124.179



66, 28.777, 124.310



32, 53.662, 54.268



34, 19.508, 124.138



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, 63.942, 124.179



62, 77.454, 124.557



47, 72.031, 135.384



28, 4.465, 125.374



49, 63.966, 124.191



1, 1.072, 125.791

Inverse Universe

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



17, 76.874, 310.325



24, 93.127, 310.085



28, 70.568, 324.467



26, 4.534, 306.221



17, 76.932, 310.329



0, 1.072, 305.789

Previews

White Background



This preview shows how the CIELCh color 49, 63.942, 124.178 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, 63.942, 124.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

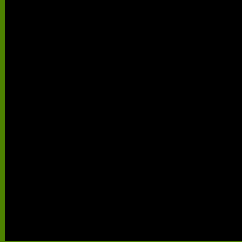
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 63.942, 124.178

Background



This preview shows how black text looks on a background with the CIELCh color 49, 63.942, 124.178.



This preview shows how white text looks on a background with the CIELCh color 49, 63.942, 124.178.

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, 63.942, 124.178

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 48.974, 82.639



Tritanopia
49, 11.847, 228.364

Trichromacy



Original Color
49, 63.942, 124.178

Protanomaly
48, 56.090, 107.742

Deuteranomaly
48, 50.821, 101.141

Tritanomaly
48, 28.428, 139.843

Monochromacy



Original Color
49, 63.942, 124.178

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 28.662, 123.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 63.942, 124.178 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(77, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 130, 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(77, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 130, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 63.942, 124.178 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(77, 130, 0) }
```

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

```
.border{ border-color:rgb(77, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 130, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 63.942, 124.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 130, 0) }
```

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

```
.background{ background-color: rgb(77, 130,  
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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