

Converting Colors

CIELCh(51, 49.807, 105.480)

Have a look what the booklet for
CIELCh(51, 49.807, 105.480)
contains.

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Color

CIELCh(51, 49.812, 105.418)

Conversions

Conversions Part 1

Format	Color
Hex	7B7E1F
RGB	123, 126, 31
RGB Percent	48%, 49%, 12%
CMY	0.5172, 0.5054, 0.8779
CMYK	0.02, 0.00, 0.75, 0.51
HSL	62°, 60%, 31%
HSV	62°, 75%, 49%
XYZ	15.9085, 19.2686, 4.1854
YIQ	114.2730, 28.7070, -30.1810

Conversions

Conversions Part 2

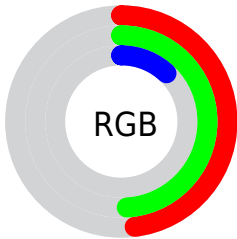
Format	Color
RYB	31, 126, 34
Decimal	8093215
CIELab	51.00, -13.24, 48.02
CIElCh	51, 49.812, 105.418
Yxy	19.2686, 0.4042, 0.4895
Android (android.graphics.Color)	4286283295 (0xFF7B7E1F)
YUV	114.2730, -41.0536, 7.6536
Hunter-Lab	43.8960, -12.1271, 25.0740

Details

The CIELCh color **51, 49.812, 105.418** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **19, 62.784, 302.744**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 49.562, 105.211**, and **31, 40.878, 107.212** is the 20% darker color. If you saturate the color by 10%, you get **51, 53.785, 105.024**, and if you desaturate by 10%, it is **51, 44.694, 105.989**.

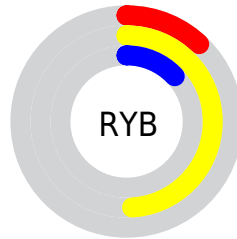
Distribution



Red (48%)

Green (49%)

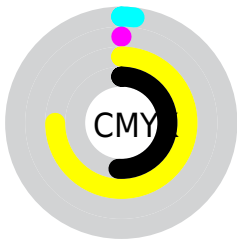
Blue (12%)



Red (12%)

Yellow (49%)

Blue (13%)

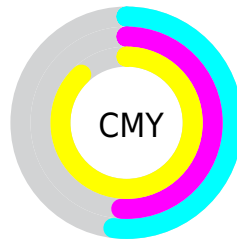


Cyan (2%)

Magenta (0%)

Yellow (75%)

Black (51%)



Cyan (52%)


Magenta (51%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 49.812, 105.418 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 51, 49.812, 105.418 by changing the saturation by 10% instead.


 51, 49.812,
105.418

 51, 49.812,
105.418

 100, 49.812,
105.418

 41, 49.812,
105.418


 71, 49.812,
105.418

 31, 49.812,
105.418

 81, 49.812,
105.418

 21, 49.812,
105.418

 91, 49.812,
105.418

 11, 49.812,
105.418

 1, 49.812, 105.418

 0, 49.812, 105.418

■ 51, 49.812,
105.418

■ 51, 49.812,
105.418

■ 51, 53.785,
105.024

■ 51, 44.694,
105.989

■ 51, 56.434,
104.823

■ 51, 38.750,
106.688

■ 51, 57.561,
104.743

■ 51, 32.251,
107.476

■ 52, 25.400,
108.319

■ 52, 18.330,
109.193

■ 52, 11.134,
110.076

■ 53, 3.871, 110.949

■ 53, 3.421, 291.834

■ 53, 10.714,
292.666

Harmonies

Complementary

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



51, 49.812, 105.418



19, 62.784, 302.744

Rectangle

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



51, 49.812, 105.418



51, 49.812, 155.418



51, 49.812, 285.418



51, 49.812, 335.418

Sweetspot

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



51, 49.812, 105.420



66, 20.577, 109.350



28, 46.883, 31.900



34, 14.148, 109.084



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 49.812, 105.420



65, 67.188, 104.873



48, 54.759, 126.890



27, 4.138, 110.621



51, 58.017, 104.745



0, 0.000, 0.000

Inverse Universe

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



19, 62.784, 302.744



21, 90.226, 305.396



24, 60.752, 312.945



24, 4.224, 292.271



13, 79.856, 306.432



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 49.812, 105.418 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 49.812, 105.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

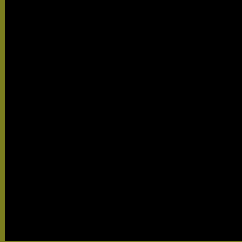
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 49.812, 105.418

Background



This preview shows how black text looks on a background with the CIELCh color 51, 49.812, 105.418.



This preview shows how white text looks on a background with the CIELCh color 51, 49.812, 105.418.

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

51, 49.812, 105.418

Protanopia

51, 49.090, 95.925

Deuteranopia

51, 47.324, 81.968



Tritanopia
51, 7.407, 335.222

Trichromacy



Original Color
51, 49.812, 105.418

Protanomaly
51, 49.128, 99.316

Deuteranomaly
51, 47.174, 91.049

Tritanomaly
51, 17.053, 97.604

Monochromacy



Original Color
51, 49.812, 105.418

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 19.714, 108.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 49.812, 105.418 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(123, 126, 31)` looks like.

```
.text, #text, p{  
    color:rgb(123, 126, 31)  
}
```

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(123, 126, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 126, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 49.812, 105.418 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(123, 126, 31) }
```

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

```
.border{ border-color:rgb(123, 126, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 126, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 126, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 126, 31);  
box-shadow:4px 4px 4px 4px rgb(123, 126,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 49.812, 105.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 126, 31) }
```

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

```
.background{ background-color: rgb(123,  
126, 31) }
```

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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