

Converting Colors

CIELCh(50, 50.011, 102.416)

Have a look what the booklet for
CIELCh(50, 50.011, 102.416)
contains.

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Color

CIELCh(50, 49.981, 101.975)

Conversions

Conversions Part 1

Format	Color
Hex	7D7A1A
RGB	125, 122, 26
RGB Percent	49%, 48%, 10%
CMY	0.5090, 0.5208, 0.8971
CMYK	0.00, 0.02, 0.79, 0.51
HSL	58°, 65%, 30%
HSV	58°, 79%, 49%
XYZ	15.6608, 18.4187, 3.7205
YIQ	111.9530, 32.6040, -29.2200

Conversions

Conversions Part 2

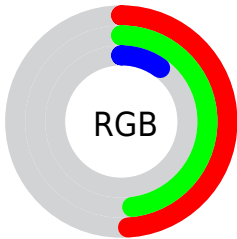
Format	Color
R_{YB}	29, 125, 26
Decimal	8223258
CIE Lab	50.00, -10.37, 48.89
CIE LCh	50, 49.981, 101.975
Yxy	18.4187, 0.4143, 0.4873
Android (android.graphics.Color)	4286413338 (0xFF7D7A1A)
YUV	111.9530, -42.3748, 11.4422
Hunter-Lab	42.9170, -9.9682, 24.9020

Details

The CIELCh color **50, 49.981, 101.975** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **18, 63.755, 302.226**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 49.746, 102.083**, and **30, 39.653, 103.611** is the 20% darker color. If you saturate the color by 10%, you get **50, 53.389, 101.437**, and if you desaturate by 10%, it is **50, 45.334, 102.655**.

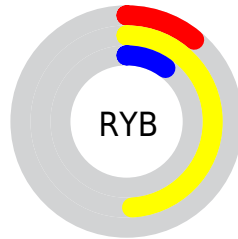
Distribution



Red (49%)

Green (48%)

Blue (10%)



Red (11%)

Yellow (49%)

Blue (10%)

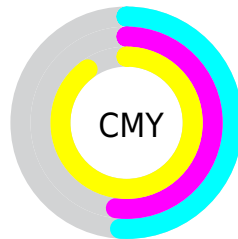


Cyan (0%)

Magenta (2%)

Yellow (79%)

Black (51%)



Cyan (51%)


Magenta (52%)


Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 49.981, 101.975 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 50, 49.981, 101.975 by changing the saturation by 10% instead.


 50, 49.981,
101.975


 50, 49.981,
101.975


 100, 49.981,
101.975


 40, 49.981,
101.975


 70, 49.981,
101.975

 30, 49.981,
101.975


 80, 49.981,
101.975


 20, 49.981,
101.975

 90, 49.981,
101.975

 10, 49.981,
101.975

 0, 49.981, 101.975

 50, 49.981,
101.975

 50, 49.981,
101.975

■ 50, 53.389,
101.437

■ 50, 45.334,
102.655

■ 50, 55.757,
101.009

■ 50, 39.777,
103.443

■ 50, 55.988,
100.969

■ 51, 33.609,
104.310

■ 51, 27.053,
105.228

■ 51, 20.264,
106.175

■ 52, 13.340,
107.132

■ 52, 6.347, 108.082

■ 53, 0.675, 289.111

■ 53, 7.698, 289.954

Harmonies

Complementary

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



50, 49.981, 101.975



18, 63.755, 302.226

Rectangle

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



50, 49.981, 101.975



50, 49.981, 151.975



50, 49.981, 281.975



50, 49.981, 331.975

Sweetspot

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



50, 49.981, 101.977



66, 20.837, 106.603



27, 48.487, 30.348



34, 14.224, 106.321



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 49.981, 101.977



64, 66.835, 101.106



48, 55.568, 125.188



27, 4.012, 108.076



51, 56.721, 100.965



0, 0.000, 0.000

Inverse Universe

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



18, 63.755, 302.226



20, 91.823, 305.362



22, 63.097, 311.686



24, 4.091, 289.863



13, 78.408, 305.718



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 49.981, 101.975 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 50, 49.981, 101.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

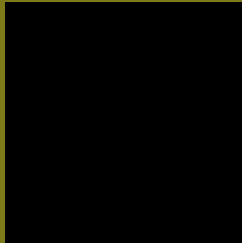
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 49.981, 101.975

Background



This preview shows how black text looks on a background with the CIELCh color 50, 49.981, 101.975.



This preview shows how white text looks on a background with the CIELCh color 50, 49.981, 101.975.

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
50, 49.981, 101.975

Protanopia
50, 49.731, 95.226

Deuteranopia
50, 48.496, 82.165



Tritanopia
50, 9.324, 346.267

Trichromacy



Original Color
50, 49.981, 101.975

Protanomaly
50, 49.836, 97.492

Deuteranomaly
50, 48.282, 89.271

Tritanomaly
50, 17.861, 89.023

Monochromacy



Original Color
50, 49.981, 101.975

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 20.336, 106.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 49.981, 101.975 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(125, 122, 26)` looks like.

```
.text, #text, p{  
    color:rgb(125, 122, 26)  
}
```

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(125, 122, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 122, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 49.981, 101.975 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(125, 122, 26) }
```

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

```
.border{ border-color:rgb(125, 122, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 122, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 122, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 122, 26);  
box-shadow:4px 4px 4px 4px rgb(125, 122,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 49.981, 101.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 122, 26) }
```

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

```
.background{ background-color: rgb(125,  
122, 26) }
```

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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