

Converting Colors

CIELCh(49, 27.990, 101.932)

Have a look what the booklet for
CIELCh(49, 27.990, 101.932)
contains.

CIELCh(49, 28.210, 101.714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 28.210, 101.714)

Conversions

Conversions Part 1

Format	Color
Hex	7B7645
RGB	123, 118, 69
RGB Percent	48%, 46%, 27%
CMY	0.5177, 0.5373, 0.7294
CMYK	0.00, 0.04, 0.44, 0.52
HSL	54°, 28%, 38%
HSV	54°, 44%, 48%
XYZ	15.7179, 17.5941, 8.1962
YIQ	113.9090, 18.7090, -14.1790

Conversions

Conversions Part 2

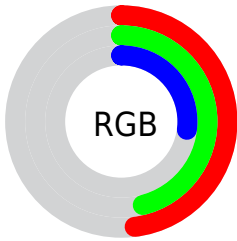
Format	Color
R_{YB}	75, 123, 69
Decimal	8091205
CIE Lab	49.00, -5.73, 27.62
CIE LCh	49, 28.210, 101.714
Yxy	17.5941, 0.3787, 0.4239
Android (android.graphics.Color)	4286281285 (0xFF7B7645)
YUV	113.9090, -22.1401, 7.9728
Hunter-Lab	41.9453, -6.5160, 17.7762

Details

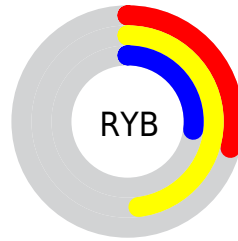
The CIELCh color **49, 28.210, 101.714** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 30.837, 292.260**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 28.308, 101.314**, and **29, 28.016, 101.568** is the 20% darker color. If you saturate the color by 10%, you get **49, 34.262, 100.715**, and if you desaturate by 10%, it is **50, 21.921, 102.738**.

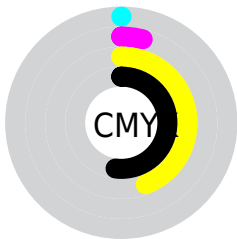
Distribution



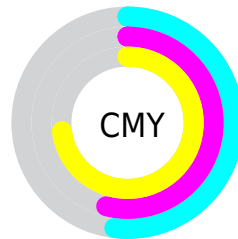
- Red (48%)
- Green (46%)
- Blue (27%)



- Red (29%)
- Yellow (48%)
- Blue (27%)



- Cyan (0%)
- Magenta (4%)
- Yellow (44%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.210, 101.714 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, 28.210, 101.714 by changing the saturation by 10% instead.

 49, 28.210,
101.714


 49, 28.210,
101.714


 100, 28.210,
101.714

 39, 28.210,
101.714

 69, 28.210,
101.714

 29, 28.210,
101.714


 79, 28.210,
101.714

 19, 28.210,
101.714

 89, 28.210,
101.714

 9, 28.210, 101.714

 99, 28.210,
101.714

 0, 28.210, 101.714

 49, 28.210,

 49, 28.210,

101.714

101.714

■ 49, 34.262,
100.715

■ 50, 21.921,
102.738

■ 48, 39.905, 99.749

■ 50, 15.503,
103.761

■ 48, 44.887, 98.837

■ 51, 9.024, 104.775

■ 47, 48.876, 97.996

■ 51, 2.528, 105.753

■ 47, 51.565, 97.231

■ 52, 3.959, 286.772

■ 47, 53.013, 96.786

■ 53, 10.422,
287.701

■ 53, 16.849,
288.602

■ 54, 23.234,
289.466

■ 55, 29.573,

Harmonies

Complementary

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



49, 28.210, 101.714



33, 30.837, 292.260

Rectangle

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



49, 28.210, 101.714



49, 28.210, 151.714



49, 28.210, 281.714



49, 28.210, 331.714

Sweetspot

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



49, 28.211, 101.717



65, 10.499, 104.833



36, 24.815, 16.176



34, 7.404, 104.643



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 28.211, 101.717



62, 41.894, 100.676



49, 32.241, 123.384



25, 3.640, 105.257



47, 53.614, 96.775



90, 89.967, 96.419

Inverse Universe

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



33, 30.837, 292.260



38, 47.251, 294.362



34, 34.782, 308.010



23, 3.701, 287.123



14, 74.068, 304.523



33, 128.430, 305.362

Previews

White Background



This preview shows how the CIELCh color 49, 28.210, 101.714 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, 28.210, 101.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

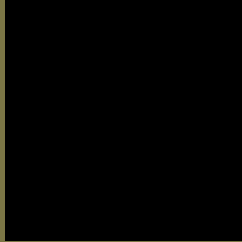
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.210, 101.714

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.210, 101.714.



This preview shows how white text looks on a background with the CIELCh color 49, 28.210, 101.714.

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, 28.210, 101.714

Protanopia

49, 28.231, 95.055

Deuteranopia

49, 27.486, 76.326



Tritanopia
49, 8.691, 343.112

Trichromacy



Original Color
49, 28.210, 101.714

Protanomaly
49, 28.476, 97.965

Deuteranomaly
49, 27.251, 86.744

Tritanomaly
49, 8.979, 70.928

Monochromacy



Original Color
49, 28.210, 101.714

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.987, 103.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.210, 101.714 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, 118, 69)` looks like.

```
.text, #text, p{  
    color:rgb(123, 118, 69)  
}
```

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, 118, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 118, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.210, 101.714 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, 118, 69) }
```

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

```
.border{ border-color:rgb(123, 118, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 118, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 118, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 118, 69);  
box-shadow:4px 4px 4px 4px rgb(123, 118,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.210, 101.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 118, 69) }
```

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

```
.background{ background-color: rgb(123,  
118, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor