

Converting Colors

CIELCh(49, 2.001, 317.829)

Have a look what the booklet for
CIELCh(49, 2.001, 317.829) contains.

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Color

CIELCh(49, 1.950, 314.708)

Conversions

Conversions Part 1

Format	Color
Hex	767477
RGB	118, 116, 119
RGB Percent	46%, 45%, 47%
CMY	0.5382, 0.5461, 0.5343
CMYK	0.01, 0.03, 0.00, 0.53
HSL	280°, 1%, 46%
HSV	280°, 3%, 47%
XYZ	16.9695, 17.5941, 19.8765
YIQ	116.9400, 0.2290, 1.3570

Conversions

Conversions Part 2

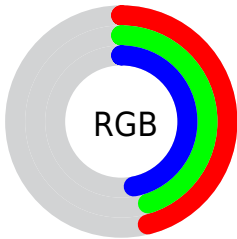
Format	Color
R_{YB}	118, 116, 119
Decimal	7763063
CIE _{Lab}	49.00, 1.37, -1.39
CIE _{LCh}	49, 1.950, 314.708
Yxy	17.5941, 0.3117, 0.3232
Android (android.graphics.Color)	4285953143 (0xFF767477)
YUV	116.9400, 1.0156, 0.9296
Hunter-Lab	41.9453, -1.1899, 1.2661

Details

The CIELCh color **49, 1.950, 314.708** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 1.932, 134.624**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 1.826, 314.657**, and **29, 2.133, 314.785** is the 20% darker color. If you saturate the color by 10%, you get **45, 9.756, 315.148**, and if you desaturate by 10%, it is **53, 5.673, 134.404**.

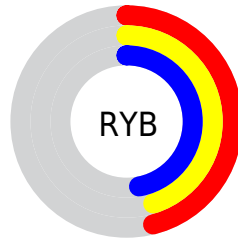
Distribution



Red (46%)

Green (45%)

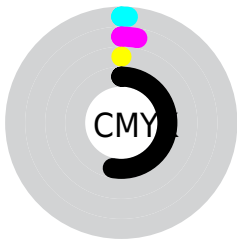
Blue (47%)



Red (46%)

Yellow (45%)

Blue (47%)

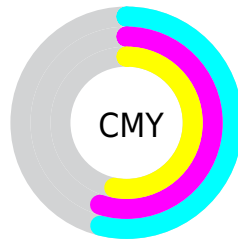


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (54%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 1.950, 314.708 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, 1.950, 314.708 by changing the saturation by 10% instead.

■ 49, 1.950, 314.708

■ 49, 1.950, 314.708

■ 100, 1.950,
314.708

■ 39, 1.950, 314.708

■ 69, 1.950, 314.708

■ 29, 1.950, 314.708

■ 79, 1.950, 314.708

■ 19, 1.950, 314.708

■ 89, 1.950, 314.708

■ 9, 1.950, 314.708

■ 99, 1.950, 314.708

■ 0, 1.950, 314.708

■ 49, 1.950, 314.708

■ 49, 1.950, 314.708

■ 45, 9.756, 315.148

■ 53, 5.673, 134.404

■ 42, 17.715,
315.570

■ 56, 13.093,
134.044

38, 25.763,
315.993

60, 20.305,
133.721

35, 33.800,
316.402

64, 27.310,
133.429

31, 41.664,
316.771

68, 34.115,
133.166

28, 49.122,
317.063

71, 40.727,
132.931

25, 55.852,
317.228

75, 47.155,
132.721

23, 61.468,
317.207

79, 53.408,
132.534

21, 65.599,
316.936

82, 59.497,
132.369

Harmonies

Complementary

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



49, 1.950, 314.708



50, 1.932, 134.624

Rectangle

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



49, 1.950, 314.708



49, 1.950, 4.708



49, 1.950, 134.708



49, 1.950, 184.708

Sweetspot

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



49, 1.949, 314.700



64, 0.966, 314.556



49, 1.216, 270.210



33, 0.554, 314.541



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 1.949, 314.700



63, 2.889, 314.733



49, 1.937, 328.882



24, 1.721, 314.761



21, 69.847, 316.679



46, 118.828, 316.137

Inverse Universe

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



49, 1.356, 353.660



63, 2.011, 353.750



50, 1.926, 148.804



24, 1.199, 353.826



25, 49.792, 15.838



53, 85.537, 19.183

Previews

White Background



This preview shows how the CIELCh color 49, 1.950, 314.708 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, 1.950, 314.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

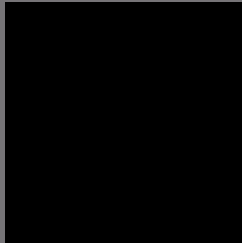
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

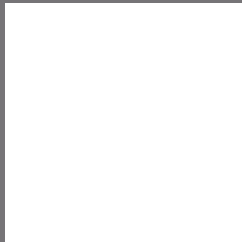
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 1.950, 314.708

Background



This preview shows how black text looks on a background with the CIELCh color 49, 1.950, 314.708.



This preview shows how white text looks on a background with the CIELCh color 49, 1.950, 314.708.

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, 1.950, 314.708

Protanopia

49, 1.950, 314.708

Deuteranopia

49, 6.361, 346.588



Tritanopia
49, 5.545, 307.418

Trichromacy



Original Color

49, 1.950, 314.708

Protanomaly

49, 1.950, 314.708

Deuteranomaly

49, 4.696, 341.266

Tritanomaly

49, 4.434, 311.731

Monochromacy



Original Color

49, 1.950, 314.708

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 0.592, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 1.950, 314.708 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(118, 116, 119)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 119)  
}
```

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(118, 116, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 1.950, 314.708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

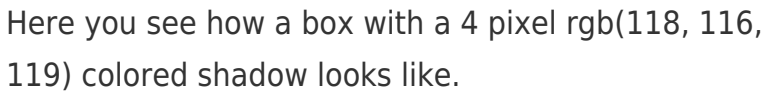
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 116, 119) }
```

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

```
.border{ border-color:rgb(118, 116, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 116, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 116, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 116, 119); box-shadow:4px 4px 4px 4px rgb(118, 116, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 1.950, 314.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 119) }
```

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

```
.background{ background-color: rgb(118,  
116, 119) }
```

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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