

Converting Colors

CIELCh(49, 14.068, 312.259)

Have a look what the booklet for
CIELCh(49, 14.068, 312.259)
contains.

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Color

CIELCh(49, 13.937, 312.852)

Conversions

Conversions Part 1

Format	Color
Hex	7D7086
RGB	125, 112, 134
RGB Percent	49%, 44%, 53%
CMY	0.5107, 0.5617, 0.4754
CMYK	0.07, 0.16, 0.00, 0.48
HSL	275°, 9%, 48%
HSV	275°, 16%, 52%
XYZ	18.4779, 17.5941, 24.8888
YIQ	118.3950, 0.6860, 9.5980

Conversions

Conversions Part 2

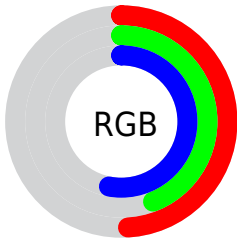
Format	Color
R_{YB}	125, 112, 134
Decimal	8220806
CIE Lab	49.00, 9.48, -10.22
CIE LCh	49, 13.937, 312.852
Yxy	17.5941, 0.3031, 0.2886
Android (android.graphics.Color)	4286410886 (0xFF7D7086)
YUV	118.3950, 7.6933, 5.7926
Hunter-Lab	41.9453, 5.2295, -5.8189

Details

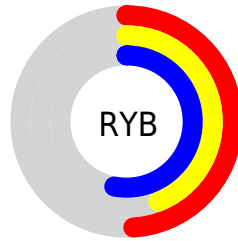
The CIELCh color $49, 13.937, 312.852$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 13.697, 131.497$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 13.701, 313.276$, and $29, 13.878, 313.424$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.653, 313.299$, and if you desaturate by 10%, it is $53, 5.395, 312.416$.

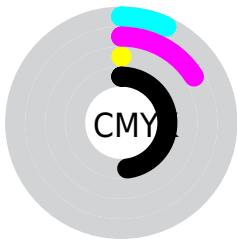
Distribution



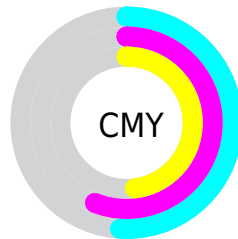
- Red (49%)
- Green (44%)
- Blue (53%)



- Red (49%)
- Yellow (44%)
- Blue (53%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (48%)





- Cyan (51%)
- Magenta (56%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.937, 312.852 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, 13.937, 312.852 by changing the saturation by 10% instead.


 49, 13.937,
312.852


 49, 13.937,
312.852


 100, 13.937,
312.852


 39, 13.937,
312.852

 69, 13.937,
312.852


 29, 13.937,
312.852

 79, 13.937,
312.852

 19, 13.937,
312.852


 89, 13.937,
312.852

 9, 13.937, 312.852

 99, 13.937,
312.852

 0, 13.937, 312.852

 49, 13.937,

 49, 13.937,

312.852

45, 22.653,
313.299

41, 31.477,
313.754

37, 40.289,
314.195

33, 48.895,
314.591

30, 57.001,
314.892

27, 64.201,
315.034

24, 70.007,
314.936

22, 74.169,
314.565

312.852

53, 5.395, 312.416

57, 2.932, 132.080

61, 11.029,
131.692

66, 18.892,
131.361

70, 26.523,
131.066

74, 33.930,
130.804

78, 41.123,
130.573

82, 48.112,
130.369

■ 21, 75.616,
314.452

■ 86, 54.907,
130.190

Harmonies

Complementary

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



49, 13.937, 312.852



54, 13.697, 131.497

Rectangle

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



49, 13.937, 312.852



49, 13.937, 2.852



49, 13.937, 132.852



49, 13.937, 182.852

Sweetspot

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



49, 13.935, 312.851



68, 5.171, 312.356



50, 8.168, 266.134



35, 3.515, 312.383



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 13.935, 312.851



61, 21.052, 313.029



50, 14.672, 327.668



26, 4.706, 312.532



21, 74.076, 314.482



0, 1.115, 312.176

Inverse Universe

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



49, 10.390, 350.311



61, 15.704, 350.725



54, 14.650, 145.772



26, 3.502, 349.590



27, 51.284, 9.125



0, 0.828, 348.852

Previews

White Background



This preview shows how the CIELCh color 49, 13.937, 312.852 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, 13.937, 312.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

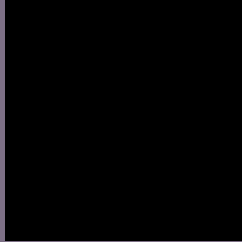
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 13.937, 312.852

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.937, 312.852.



This preview shows how white text looks on a background with the CIELCh color 49, 13.937, 312.852.

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, 13.937, 312.852

Protanopia

49, 11.774, 286.246

Deuteranopia

49, 11.445, 303.210



Tritanopia
49, 6.425, 324.797

Trichromacy



Original Color
49, 13.937, 312.852

Protanomaly
49, 12.431, 297.026

Deuteranomaly
49, 12.316, 308.001

Tritanomaly
49, 9.348, 318.829

Monochromacy



Original Color
49, 13.937, 312.852

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 4.978, 309.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.937, 312.852 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, 112, 134)` looks like.

```
.text, #text, p{  
    color:rgb(125, 112, 134)  
}
```

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, 112, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 112, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.937, 312.852 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, 112, 134) }
```

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

```
.border{ border-color:rgb(125, 112, 134) }
```

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

Here you see how a box with a 4 pixel rgb(125, 112, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 112, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 112, 134);  
box-shadow:4px 4px 4px 4px rgb(125, 112,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.937, 312.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 112, 134) }
```

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

```
.background{ background-color: rgb(125,  
112, 134) }
```

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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