

Converting Colors

CIELCh(49, 9.630, 348.702)

Have a look what the booklet for
CIELCh(49, 9.630, 348.702) contains.

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Color

CIELCh(49, 9.707, 347.727)

Conversions

Conversions Part 1

Format	Color
Hex	836F78
RGB	131, 111, 120
RGB Percent	51%, 44%, 47%
CMY	0.4857, 0.5642, 0.5289
CMYK	0.00, 0.15, 0.08, 0.49
HSL	333°, 8%, 48%
HSV	333°, 15%, 51%
XYZ	18.4792, 17.5941, 20.2347
YIQ	118.0060, 9.0310, 7.0390

Conversions

Conversions Part 2

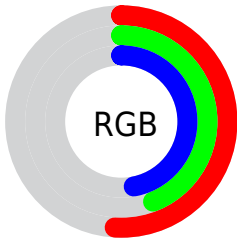
Format	Color
R_{YB}	131, 111, 120
Decimal	8613752
CIE Lab	49.00, 9.49, -2.06
CIE LCh	49, 9.707, 347.727
Yxy	17.5941, 0.3282, 0.3125
Android (android.graphics.Color)	4286803832 (0xFF836F78)
YUV	118.0060, 0.9830, 11.3957
Hunter-Lab	41.9453, 5.2348, 0.7598

Details

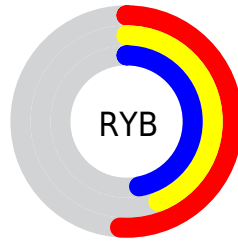
The CIELCh color $49, 9.707, 347.727$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 9.481, 165.169$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 9.408, 348.662$, and $29, 9.867, 345.413$ is the 20% darker color. If you saturate the color by 10%, you get $45, 16.234, 348.740$, and if you desaturate by 10%, it is $53, 3.300, 346.780$.

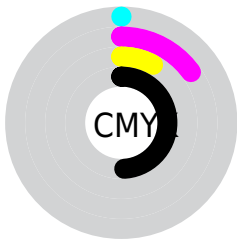
Distribution



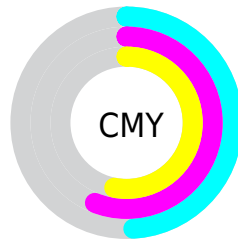
- Red (51%)
- Green (44%)
- Blue (47%)



- Red (51%)
- Yellow (44%)
- Blue (47%)



- Cyan (0%)
- Magenta (15%)
- Yellow (8%)
- Black (49%)



- Cyan (49%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.707, 347.727 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, 9.707, 347.727 by changing the saturation by 10% instead.

■ 49, 9.707, 347.727

■ 49, 9.707, 347.727

■ 100, 9.707,
347.727

■ 39, 9.707, 347.727

■ 69, 9.707, 347.727

■ 29, 9.707, 347.727

■ 79, 9.707, 347.727

■ 19, 9.707, 347.727

■ 89, 9.707, 347.727

■ 9, 9.707, 347.727

■ 99, 9.707, 347.727

■ 0, 9.707, 347.727

■ 49, 9.707, 347.727

■ 49, 9.707, 347.727

■ 45, 16.234,
348.740

■ 53, 3.300, 346.780

■ 42, 22.787,

■ 57, 2.927, 166.178

349.879

61, 8.946, 165.377

38, 29.210,
351.197

64, 14.748,
164.695

35, 35.284,
352.755

68, 20.337,
164.073

33, 40.727,
354.643

72, 25.720,
163.499

30, 45.231,
356.979

76, 30.912,
162.968

29, 48.534,
359.912

80, 35.925,
162.473

28, 50.614, 3.551

84, 40.775,
162.012

27, 51.552, 5.324

Harmonies

Complementary

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



49, 9.707, 347.727



53, 9.481, 165.169

Rectangle

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



49, 9.707, 347.727



49, 9.707, 37.727



49, 9.707, 167.727



49, 9.707, 217.727

Sweetspot

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



49, 9.705, 347.731



68, 3.898, 346.766



48, 12.593, 311.432



35, 2.683, 346.827



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, 9.705, 347.731



61, 14.269, 348.038



49, 7.973, 24.473



26, 3.593, 347.154



27, 51.243, 5.282



0, 0.850, 346.437

Inverse Universe

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



49, 9.705, 347.731



61, 14.269, 348.038



53, 7.240, 203.321



26, 3.593, 347.154



27, 51.243, 5.282



0, 0.850, 346.437

Previews

White Background



This preview shows how the CIELCh color 49, 9.707, 347.727 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 49, 9.707, 347.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

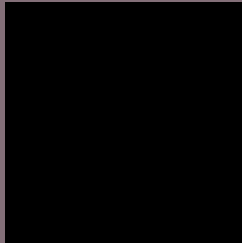
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.707, 347.727

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.707, 347.727.



This preview shows how white text looks on a background with the CIELCh color 49, 9.707, 347.727.

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, 9.707, 347.727

Protanopia

49, 4.139, 296.201

Deuteranopia

49, 6.696, 342.392



Tritanopia
49, 9.707, 347.727

Trichromacy



Original Color
49, 9.707, 347.727

Protanomaly
49, 5.717, 324.753

Deuteranomaly
49, 8.027, 344.631

Tritanomaly
49, 9.707, 347.727

Monochromacy



Original Color
49, 9.707, 347.727

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.347, 348.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.707, 347.727 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(131, 111, 120)` looks like.

```
.text, #text, p{  
    color:rgb(131, 111, 120)  
}
```

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(131, 111, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 111, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.707, 347.727 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(131, 111, 120) }
```

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

```
.border{ border-color:rgb(131, 111, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 111, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 111, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 111, 120);  
box-shadow:4px 4px 4px 4px rgb(131, 111,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.707, 347.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 111, 120) }
```

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

```
.background{ background-color: rgb(131,  
111, 120) }
```

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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