

Converting Colors

CIELCh(49, 8.701, 150.504)

Have a look what the booklet for
CIELCh(49, 8.701, 150.504) contains.

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Color

CIELCh(49, 8.640, 150.316)

Conversions

Conversions Part 1

Format	Color
Hex	6A786D
RGB	106, 120, 109
RGB Percent	42%, 47%, 43%
CMY	0.5844, 0.5295, 0.5726
CMYK	0.12, 0.00, 0.09, 0.53
HSL	133°, 6%, 44%
HSV	133°, 12%, 47%
XYZ	15.4143, 17.5941, 17.0455
YIQ	114.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

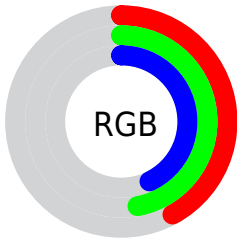
Format	Color
R_{YB}	106, 118, 120
Decimal	6977645
CIE Lab	49.00, -7.51, 4.28
CIE LCh	49, 8.640, 150.316
Yxy	17.5941, 0.3080, 0.3515
Android (android.graphics.Color)	4285167725 (0xFF6A786D)
YUV	114.5600, -2.7411, -7.5071
Hunter-Lab	41.9453, -7.8082, 5.2678

Details

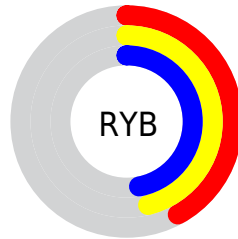
The CIELCh color $49, 8.640, 150.316$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 8.671, 331.709$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 8.747, 150.004$, and $29, 8.681, 150.519$ is the 20% darker color. If you saturate the color by 10%, you get $48, 16.100, 149.565$, and if you desaturate by 10%, it is $50, 1.224, 151.108$.

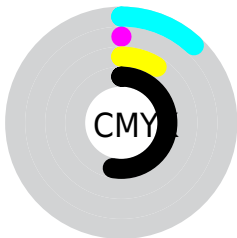
Distribution



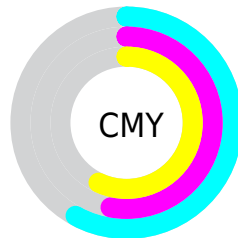
- Red (42%)
- Green (47%)
- Blue (43%)



- Red (42%)
- Yellow (46%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (53%)



- Cyan (58%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.640, 150.316 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, 8.640, 150.316 by changing the saturation by 10% instead.

■ 49, 8.640, 150.316

■ 49, 8.640, 150.316

■ 100, 8.640,
150.316

■ 39, 8.640, 150.316

■ 69, 8.640, 150.316

■ 29, 8.640, 150.316

■ 79, 8.640, 150.316

■ 19, 8.640, 150.316

■ 89, 8.640, 150.316

■ 9, 8.640, 150.316

■ 99, 8.640, 150.316

■ 0, 8.640, 150.316

■ 49, 8.640, 150.316

■ 49, 8.640, 150.316

■ 48, 16.100,
149.565

■ 50, 1.224, 151.108

■ 47, 23.511,

■ 52, 6.087, 331.458

148.710

53, 13.243,
331.969

46, 30.767,
147.729

54, 20.214,
332.408

45, 37.737,
146.605

56, 26.980,
332.796

45, 44.279,
145.329

58, 33.532,
333.142

44, 50.244,
143.905

59, 39.868,
333.452

44, 55.491,
142.358

61, 45.992,
333.733

44, 59.893,
140.739

63, 51.910,
333.987

44, 63.003,
139.563

Harmonies

Complementary

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



49, 8.640, 150.316



46, 8.671, 331.709

Rectangle

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



49, 8.640, 150.316



49, 8.640, 200.316



49, 8.640, 330.316



49, 8.640, 20.316

Sweetspot

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



49, 8.641, 150.315



64, 3.643, 150.856



50, 8.241, 117.241



33, 2.611, 150.806



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, 8.641, 150.315



62, 12.839, 150.123



49, 6.111, 174.982



25, 4.233, 150.497



45, 64.986, 139.483



87, 111.848, 138.545

Inverse Universe

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



46, 8.671, 331.709



58, 12.887, 331.879



46, 6.310, 356.980



24, 4.248, 331.544



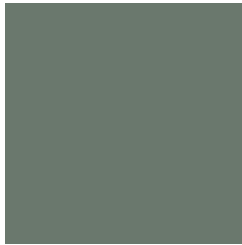
27, 58.030, 338.601



57, 96.891, 339.297

Previews

White Background



This preview shows how the CIELCh color 49, 8.640, 150.316 looks on a white background.

Color Contrast Check

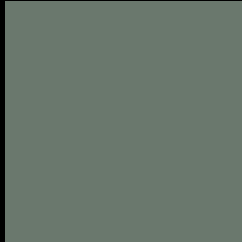
Large Text (above 18pt) WCAG AA ✓ Pass

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, 8.640, 150.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

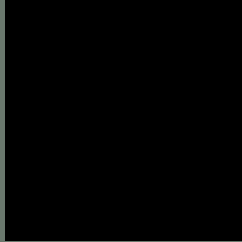
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

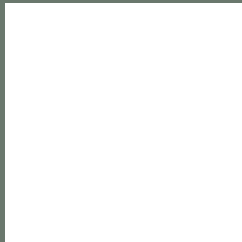
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 8.640, 150.316

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.640, 150.316.

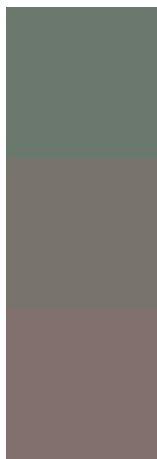


This preview shows how white text looks on a background with the CIELCh color 49, 8.640, 150.316.

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

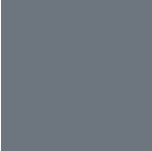
49, 8.640, 150.316

Protanopia

49, 5.655, 87.756

Deuteranopia

49, 7.548, 24.660



Tritanopia
49, 6.562, 263.100

Trichromacy



Original Color
49, 8.640, 150.316

Protanomaly
49, 5.282, 113.962

Deuteranomaly
49, 3.830, 69.273

Tritanomaly
49, 4.070, 215.898

Monochromacy



Original Color
49, 8.640, 150.316

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 3.115, 150.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.640, 150.316 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(106, 120, 109)` looks like.

```
.text, #text, p{  
    color:rgb(106, 120, 109)  
}
```

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(106, 120, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 120, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.640, 150.316 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(106, 120, 109) }
```

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

```
.border{ border-color:rgb(106, 120, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 120, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 120, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 120, 109);  
box-shadow:4px 4px 4px 4px rgb(106, 120,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.640, 150.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 120, 109) }
```

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

```
.background{ background-color: rgb(106,  
120, 109) }
```

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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