

Converting Colors

CIELCh(49, 7.478, 50.864)

Have a look what the booklet for
CIELCh(49, 7.478, 50.864) contains.

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Color

CIELCh(49, 7.633, 47.312)

Conversions

Conversions Part 1

Format	Color
Hex	81716B
RGB	129, 113, 107
RGB Percent	51%, 44%, 42%
CMY	0.4934, 0.5562, 0.5797
CMYK	0.00, 0.12, 0.17, 0.49
HSL	16°, 9%, 46%
HSV	16°, 17%, 51%
XYZ	17.6665, 17.5941, 16.4213
YIQ	117.1000, 11.4620, 1.5260

Conversions

Conversions Part 2

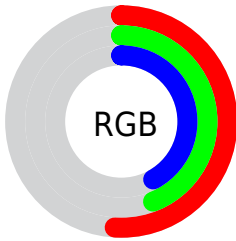
Format	Color
R_{YB}	129, 115, 107
Decimal	8483179
CIE Lab	49.00, 5.18, 5.61
CIE LCh	49, 7.633, 47.312
Yxy	17.5941, 0.3418, 0.3404
Android (android.graphics.Color)	4286673259 (0xFF81716B)
YUV	117.1000, -4.9793, 10.4363
Hunter-Lab	41.9453, 1.7765, 6.1500

Details

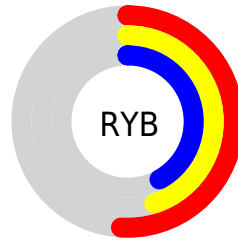
The CIELCh color $49, 7.633, 47.312$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 6.926, 229.397$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 7.679, 49.677$, and $29, 7.803, 44.538$ is the 20% darker color. If you saturate the color by 10%, you get $46, 12.585, 46.951$, and if you desaturate by 10%, it is $52, 3.036, 47.720$.

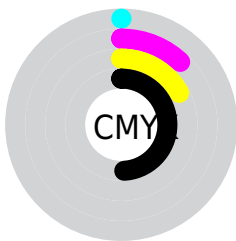
Distribution



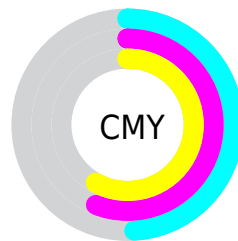
- Red (51%)
- Green (44%)
- Blue (42%)



- Red (51%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (17%)
- Black (49%)





- Cyan (49%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.633, 47.312 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, 7.633, 47.312 by changing the saturation by 10% instead.


 49, 7.633, 47.312  49, 7.633, 47.312

 100, 7.633, 47.312  39, 7.633, 47.312

 69, 7.633, 47.312  29, 7.633, 47.312

 79, 7.633, 47.312  19, 7.633, 47.312

 89, 7.633, 47.312  9, 7.633, 47.312

 99, 7.633, 47.312  0, 7.633, 47.312

 49, 7.633, 47.312  49, 7.633, 47.312

 46, 12.585, 46.951  52, 3.036, 47.720

 43, 17.920, 46.665  55, 1.238, 228.671

 41, 23.651, 46.495  58, 5.222, 229.003

■ 38, 29.769, 46.459

■ 61, 8.948, 229.560

■ 36, 36.217, 46.557

■ 64, 12.448,
230.149

■ 33, 42.847, 46.734

■ 67, 15.747,
230.749

■ 31, 49.319, 46.825

■ 30, 55.117, 46.648

■ 70, 18.872,
231.349

■ 29, 56.753, 46.672

■ 73, 21.842,
231.944

■ 76, 24.677,
232.529

Harmonies

Complementary

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



49, 7.633, 47.312



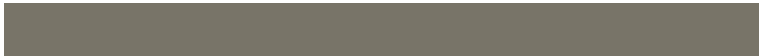
51, 6.926, 229.397

Rectangle

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



49, 7.633, 47.312



49, 7.633, 97.312



49, 7.633, 227.312



49, 7.633, 277.312

Sweetspot

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



49, 7.633, 47.325



67, 2.659, 47.769



48, 12.998, 334.055



35, 1.810, 47.757



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

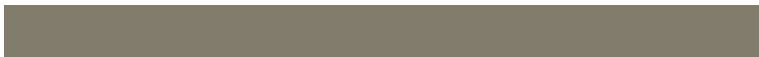
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 7.633, 47.325



62, 11.271, 47.189



52, 9.976, 96.389



25, 2.425, 47.647



29, 56.130, 46.654



0, 0.000, 0.000

Inverse Universe

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



51, 6.926, 229.397



64, 10.009, 229.684



47, 10.112, 280.459



26, 2.309, 228.848



37, 27.841, 249.203



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 7.633, 47.312 looks on a white background.

Color Contrast Check

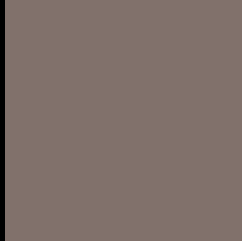
Large Text (above 18pt) WCAG AA ✓ Pass

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, 7.633, 47.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

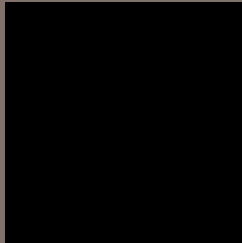
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 7.633, 47.312

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.633, 47.312.

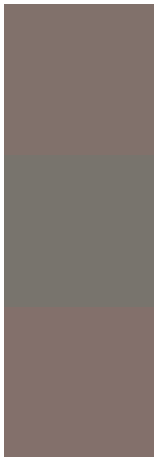


This preview shows how white text looks on a background with the CIELCh color 49, 7.633, 47.312.

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, 7.633, 47.312

Protanopia

49, 4.408, 87.490

Deuteranopia

49, 8.582, 40.067



Tritanopia
49, 9.707, 347.727

Trichromacy



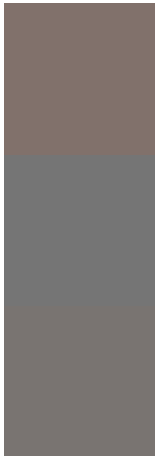
Original Color
49, 7.633, 47.312

Protanomaly
49, 5.282, 70.307

Deuteranomaly
49, 8.175, 41.061

Tritanomaly
49, 7.636, 7.034

Monochromacy



Original Color
49, 7.633, 47.312

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 2.689, 60.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.633, 47.312 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(129, 113, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 113, 107)  
}
```

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(129, 113, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 113, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.633, 47.312 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(129, 113, 107) }
```

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

```
.border{ border-color:rgb(129, 113, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 113, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 113, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 113, 107);  
box-shadow:4px 4px 4px 4px rgb(129, 113,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.633, 47.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 113, 107) }
```

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

```
.background{ background-color: rgb(129,  
113, 107) }
```

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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