

Converting Colors

CIELCh(47, 9.938, 5.735)

Have a look what the booklet for
CIELCh(47, 9.938, 5.735) contains.

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Color

CIELCh(47, 9.893, 6.906)

Conversions

Conversions Part 1

Format	Color
Hex	816A6E
RGB	129, 106, 110
RGB Percent	51%, 42%, 43%
CMY	0.4952, 0.5853, 0.5697
CMYK	0.00, 0.18, 0.15, 0.50
HSL	350°, 10%, 46%
HSV	350°, 18%, 50%
XYZ	16.9385, 16.0195, 16.8757
YIQ	113.3330, 12.4240, 6.1200

Conversions

Conversions Part 2

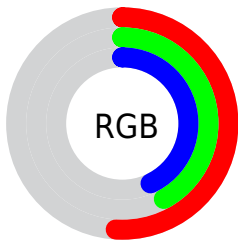
Format	Color
R_{YB}	129, 106, 110
Decimal	8481390
CIE _{Lab}	47.00, 9.82, 1.19
CIE _{LCh}	47, 9.893, 6.906
Yxy	16.0195, 0.3399, 0.3215
Android (android.graphics.Color)	4286671470 (0xFF816A6E)
YUV	113.3330, -1.6432, 13.7400
Hunter-Lab	40.0243, 5.4997, 3.0183

Details

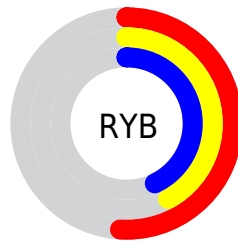
The CIELCh color $47, 9.893, 6.906$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 9.185, 183.794$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 10.078, 4.520$, and $27, 9.578, 5.627$ is the 20% darker color. If you saturate the color by 10%, you get $43, 15.817, 8.117$, and if you desaturate by 10%, it is $51, 4.238, 5.861$.

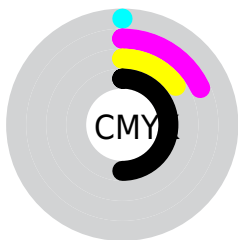
Distribution



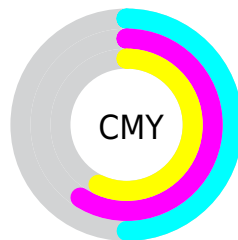
- Red (51%)
- Green (42%)
- Blue (43%)



- Red (51%)
- Yellow (42%)
- Blue (43%)



- Cyan (0%)
- Magenta (18%)
- Yellow (15%)
- Black (50%)







- Cyan (50%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 9.893, 6.906 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 47, 9.893, 6.906 by changing the saturation by 10% instead.

 47, 9.893, 6.906	 47, 9.893, 6.906
 100, 9.893, 6.906	 37, 9.893, 6.906
 67, 9.893, 6.906	 27, 9.893, 6.906
 77, 9.893, 6.906	 17, 9.893, 6.906
 87, 9.893, 6.906	 7, 9.893, 6.906
 97, 9.893, 6.906	 0, 9.893, 6.906
 47, 9.893, 6.906	 47, 9.893, 6.906
 43, 15.817, 8.117	 51, 4.238, 5.861
 40, 21.958, 9.565	 55, 1.121, 185.429
 36, 28.209, 11.343	 59, 6.186, 184.416

■ 33, 34.408, 13.558

■ 63, 10.970,
183.740

■ 31, 40.350, 16.342

■ 67, 15.495,
183.154

■ 29, 45.819, 19.820

■ 27, 50.668, 24.053

■ 71, 19.782,
182.633

■ 26, 55.051, 28.680

■ 75, 23.855,
182.164

■ 26, 56.031, 29.567

■ 78, 27.737,
181.739

■ 82, 31.447,
181.351

Harmonies

Complementary

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



47, 9.893, 6.906



52, 9.185, 183.794

Rectangle

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



47, 9.893, 6.906



47, 9.893, 56.906



47, 9.893, 186.906



47, 9.893, 236.906

Sweetspot

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



47, 9.892, 6.912



67, 3.334, 5.566



47, 15.520, 320.069



34, 2.267, 5.632



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 9.892, 6.912



59, 14.618, 7.328



49, 7.925, 52.376



25, 3.026, 5.988



26, 55.618, 29.510



0, 0.000, 0.000

Inverse Universe

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



47, 9.892, 6.912



59, 14.618, 7.328



50, 7.217, 235.224



25, 3.026, 5.988



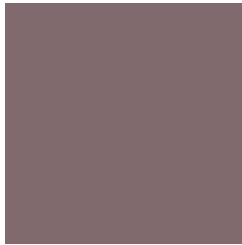
26, 55.618, 29.510



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 9.893, 6.906 looks on a white background.

Color Contrast Check

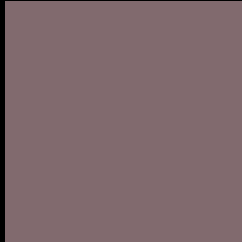
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 9.893, 6.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

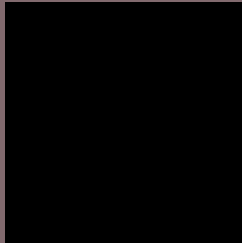
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

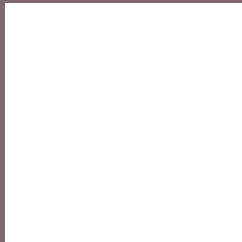
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 9.893, 6.906

Background



This preview shows how black text looks on a background with the CIELCh color 47, 9.893, 6.906.



This preview shows how white text looks on a background with the CIELCh color 47, 9.893, 6.906.

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

47, 9.893, 6.906

Protanopia

47, 1.448, 324.417

Deuteranopia

47, 6.280, 14.749



Tritanopia
47, 10.989, 355.444

Trichromacy



Original Color

47, 9.893, 6.906

Protanomaly

47, 4.485, 356.643

Deuteranomaly

47, 7.610, 11.424

Tritanomaly

47, 10.778, 358.318

Monochromacy



Original Color

47, 9.893, 6.906

Achromatopsia

48, 0.006, 296.813

Achromatomaly

47, 3.889, 2.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 9.893, 6.906 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, 106, 110)` looks like.

```
.text, #text, p{  
    color:rgb(129, 106, 110)  
}
```

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, 106, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 106, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 9.893, 6.906 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, 106, 110) }
```

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

```
.border{ border-color:rgb(129, 106, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 106, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 106, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 106, 110);  
box-shadow:4px 4px 4px 4px rgb(129, 106,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 9.893, 6.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 106, 110) }
```

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

```
.background{ background-color: rgb(129,  
106, 110) }
```

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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