

Converting Colors

CIELCh(47, 12.964, 359.831)

Have a look what the booklet for
CIELCh(47, 12.964, 359.831)
contains.

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Color

CIELCh(47, 12.943, 359.814)

Conversions

Conversions Part 1

Format	Color
Hex	856870
RGB	133, 104, 112
RGB Percent	52%, 41%, 44%
CMY	0.4789, 0.5926, 0.5613
CMYK	0.00, 0.22, 0.16, 0.48
HSL	343°, 12%, 46%
HSV	343°, 22%, 52%
XYZ	17.5086, 16.0195, 17.4627
YIQ	113.5830, 14.7160, 8.6360

Conversions

Conversions Part 2

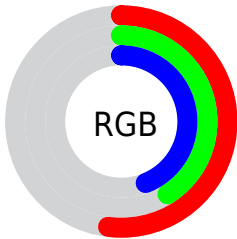
Format	Color
R_{YB}	133, 104, 112
Decimal	8743024
CIE _{Lab}	47.00, 12.94, -0.04
CIE _{LCh}	47, 12.943, 359.814
Yxy	16.0195, 0.3434, 0.3142
Android (android.graphics.Color)	4286933104 (0xFF856870)
YUV	113.5830, -0.7804, 17.0287
Hunter-Lab	40.0243, 8.0420, 2.1486

Details

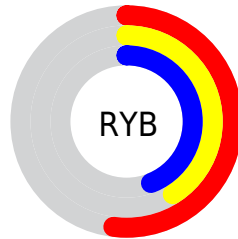
The CIELCh color $47, 12.943, 359.814$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $53, 12.109, 175.678$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.976, 358.254$, and $27, 12.750, 1.275$ is the 20% darker color. If you saturate the color by 10%, you get $43, 19.187, 1.099$, and if you desaturate by 10%, it is $51, 6.873, 358.708$.

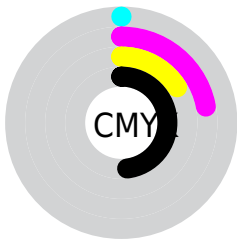
Distribution



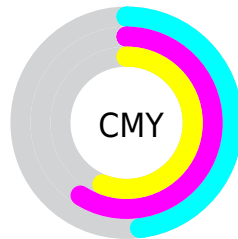
- Red (52%)
- Green (41%)
- Blue (44%)



- Red (52%)
- Yellow (41%)
- Blue (44%)



- Cyan (0%)
- Magenta (22%)
- Yellow (16%)
- Black (48%)



- Cyan (48%)
- Magenta (59%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.943, 359.814 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, 12.943, 359.814 by changing the saturation by 10% instead.


 47, 12.943,
359.814


 47, 12.943,
359.814


 100, 12.943,
359.814


 37, 12.943,
359.814

 67, 12.943,
359.814


 27, 12.943,
359.814

 77, 12.943,
359.814


 17, 12.943,
359.814


 87, 12.943,
359.814

 7, 12.943, 359.814

 97, 12.943,
359.814

 0, 12.943, 359.814

 47, 12.943,

 47, 12.943,

359.814

359.814

43, 19.187, 1.099

51, 6.873, 358.708

40, 25.509, 2.623

55, 1.037, 357.472

36, 31.747, 4.474

59, 4.542, 177.069

34, 37.682, 6.766

63, 9.862, 176.289

31, 43.057, 9.640

67, 14.932,
175.614

29, 47.642, 13.248

71, 19.768,
175.008

28, 51.341, 17.696

75, 24.389,
174.456

27, 54.164, 21.540

79, 28.812,
173.952

83, 33.058,
173.487

Harmonies

Complementary

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



47, 12.943, 359.814



53, 12.109, 175.678

Rectangle

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



47, 12.943, 359.814



47, 12.943, 49.814



47, 12.943, 179.814



47, 12.943, 229.814

Sweetspot

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



47, 12.941, 359.818



67, 5.011, 358.219



47, 19.028, 317.151



35, 3.245, 358.267



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 12.941, 359.818



58, 19.330, 0.404



48, 10.440, 40.939



26, 3.256, 358.426



26, 53.292, 21.409



0, 0.765, 357.654

Inverse Universe

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



47, 12.941, 359.818



58, 19.330, 0.404



51, 9.099, 222.437



26, 3.256, 358.426



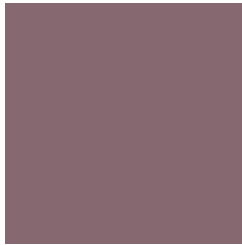
26, 53.292, 21.409



0, 0.765, 357.654

Previews

White Background



This preview shows how the CIELCh color 47, 12.943, 359.814 looks on a white background.

Color Contrast Check

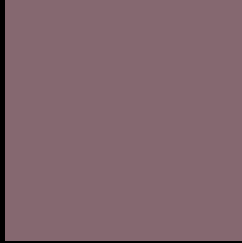
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.943, 359.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

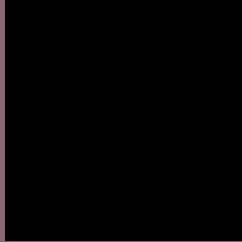
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.943, 359.814

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.943, 359.814.



This preview shows how white text looks on a background with the CIELCh color 47, 12.943, 359.814.

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, 12.943, 359.814

Protanopia

47, 2.996, 298.272

Deuteranopia

47, 6.464, 4.308



Tritanopia
47, 12.943, 359.814

Trichromacy



Original Color
47, 12.943, 359.814

Protanomaly
47, 6.429, 340.114

Deuteranomaly
47, 8.645, 4.690

Tritanomaly
47, 12.943, 359.814

Monochromacy



Original Color
47, 12.943, 359.814

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.477, 356.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.943, 359.814 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(133, 104, 112)` looks like.

```
.text, #text, p{  
    color:rgb(133, 104, 112)  
}
```

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(133, 104, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 104, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.943, 359.814 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(133, 104, 112) }
```

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

```
.border{ border-color:rgb(133, 104, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 104, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 104, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 104, 112);  
box-shadow:4px 4px 4px 4px rgb(133, 104,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.943, 359.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 104, 112) }
```

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

```
.background{ background-color: rgb(133,  
104, 112) }
```

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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