

Converting Colors

CIELCh(47, 14.434, 12.577)

Have a look what the booklet for
CIELCh(47, 14.434, 12.577) contains.

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Color

CIELCh(47, 14.602, 12.076)

Conversions

Conversions Part 1

Format	Color
Hex	89676B
RGB	137, 103, 107
RGB Percent	54%, 40%, 42%
CMY	0.4636, 0.5968, 0.5812
CMYK	0.00, 0.25, 0.22, 0.46
HSL	353°, 14%, 47%
HSV	353°, 25%, 54%
XYZ	17.7564, 16.0195, 16.0118
YIQ	113.6220, 18.9800, 8.4520

Conversions

Conversions Part 2

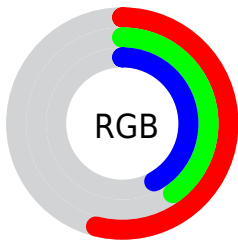
Format	Color
R_{YB}	137, 103, 107
Decimal	9004907
CIE _{Lab}	47.00, 14.28, 3.05
CIE _{LCh}	47, 14.602, 12.076
Yxy	16.0195, 0.3566, 0.3218
Android (android.graphics.Color)	4287194987 (0xFF89676B)
YUV	113.6220, -3.2646, 20.5025
Hunter-Lab	40.0243, 9.1472, 4.2979

Details

The CIELCh color $47, 14.602, 12.076$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $54, 12.900, 187.809$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 14.718, 12.251$, and $27, 14.320, 11.960$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.037, 13.427$, and if you desaturate by 10%, it is $51, 8.470, 10.970$.

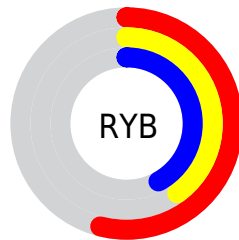
Distribution



Red (54%)

Green (40%)

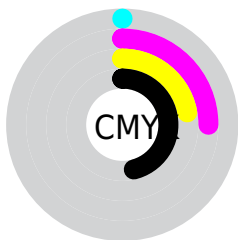
Blue (42%)



Red (54%)

Yellow (40%)

Blue (42%)

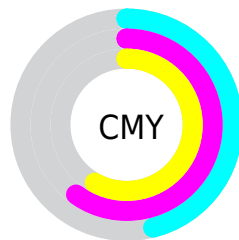


Cyan (0%)

Magenta (25%)

Yellow (22%)

Black (46%)



Cyan (46%)

Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 14.602, 12.076 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, 14.602, 12.076 by changing the saturation by 10% instead.

■ 47, 14.602, 12.076

■ 47, 14.602, 12.076

■ 100, 14.602,
12.076

■ 37, 14.602, 12.076

■ 67, 14.602, 12.076

■ 27, 14.602, 12.076

■ 77, 14.602, 12.076

■ 17, 14.602, 12.076

■ 87, 14.602, 12.076

■ 7, 14.602, 12.076

■ 97, 14.602, 12.076

■ 0, 14.602, 12.076

■ 47, 14.602, 12.076

■ 47, 14.602, 12.076

■ 43, 21.037, 13.427

■ 51, 8.470, 10.970

■ 40, 27.697, 15.094

■ 55, 2.681, 9.962

36, 34.444, 17.188

59, 2.761, 189.495

33, 41.085, 19.832

63, 7.870, 188.749

31, 47.398, 23.138

68, 12.671,
188.164

29, 53.188, 27.142

72, 17.189,
187.661

28, 58.327, 31.621

28, 60.904, 33.645

76, 21.455,
187.218

80, 25.496,
186.824

84, 29.337,
186.469

Harmonies

Complementary

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



47, 14.602, 12.076



54, 12.900, 187.809

Rectangle

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



47, 14.602, 12.076



47, 14.602, 62.076



47, 14.602, 192.076



47, 14.602, 242.076

Sweetspot

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



47, 14.600, 12.081



69, 4.849, 10.206



47, 23.074, 321.887



36, 3.143, 10.253



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 14.600, 12.081



58, 22.266, 12.831



50, 11.852, 57.657



27, 3.182, 10.405



27, 59.444, 33.483



0, 1.438, 9.720

Inverse Universe

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



47, 14.600, 12.081



58, 22.266, 12.831



51, 10.526, 242.700



27, 3.182, 10.405



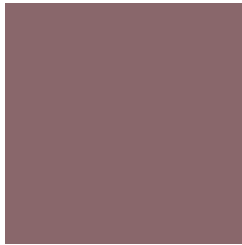
27, 59.444, 33.483



0, 1.438, 9.720

Previews

White Background



This preview shows how the CIELCh color 47, 14.602, 12.076 looks on a white background.

Color Contrast Check

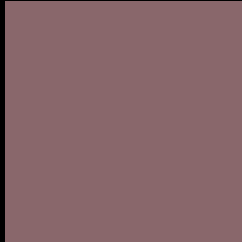
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.602, 12.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

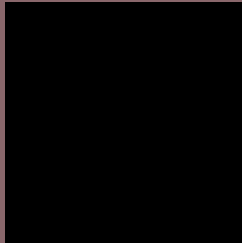
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 14.602, 12.076

Background



This preview shows how black text looks on a background with the CIELCh color 47, 14.602, 12.076.



This preview shows how white text looks on a background with the CIELCh color 47, 14.602, 12.076.

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, 14.602, 12.076

Protanopia

47, 1.227, 19.258

Deuteranopia

47, 7.272, 29.484



Tritanopia
47, 15.396, 3.725

Trichromacy



Original Color
47, 14.602, 12.076

Protanomaly
47, 5.859, 14.301

Deuteranomaly
47, 9.743, 20.569

Tritanomaly
47, 15.277, 5.859

Monochromacy



Original Color
47, 14.602, 12.076

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 5.510, 7.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 14.602, 12.076 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(137, 103, 107)` looks like.

```
.text, #text, p{  
    color:rgb(137, 103, 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(137, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 103, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 14.602, 12.076 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(137, 103, 107) }
```

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

```
.border{ border-color:rgb(137, 103, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 103, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(137, 103,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 14.602, 12.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 103, 107) }
```

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

```
.background{ background-color: rgb(137,  
103, 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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