

Converting Colors

CIELCh(47, 12.231, 20.884)

Have a look what the booklet for
CIELCh(47, 12.231, 20.884) contains.

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Color

CIELCh(47, 11.942, 20.860)

Conversions

Conversions Part 1

Format	Color
Hex	856969
RGB	133, 105, 105
RGB Percent	52%, 41%, 41%
CMY	0.4796, 0.5894, 0.5894
CMYK	0.00, 0.21, 0.21, 0.48
HSL	0°, 12%, 47%
HSV	0°, 21%, 52%
XYZ	17.1813, 16.0195, 15.4731
YIQ	113.3720, 16.6880, 5.9360

Conversions

Conversions Part 2

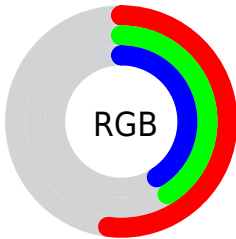
Format	Color
RYB	133, 105, 105
Decimal	8743273
CIELab	47.00, 11.16, 4.25
CIELCh	47, 11.942, 20.860
Yxy	16.0195, 0.3530, 0.3291
Android (android.graphics.Color)	4286933353 (0xFF856969)
YUV	113.3720, -4.1274, 17.2138
Hunter-Lab	40.0243, 6.5825, 5.0960

Details

The CIELCh color $47, 11.942, 20.860$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $53, 10.446, 198.384$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.234, 20.507$, and $27, 11.910, 21.610$ is the 20% darker color. If you saturate the color by 10%, you get $43, 18.262, 21.910$, and if you desaturate by 10%, it is $51, 6.045, 20.034$.

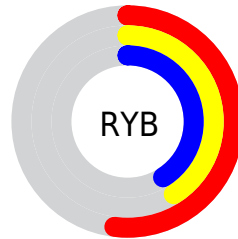
Distribution



Red (52%)

Green (41%)

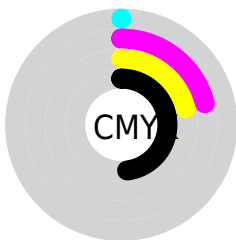
Blue (41%)



Red (52%)

Yellow (41%)

Blue (41%)

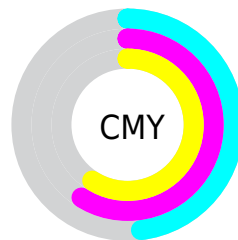


Cyan (0%)

Magenta (21%)

Yellow (21%)

Black (48%)



Cyan (48%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 11.942, 20.860 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, 11.942, 20.860 by changing the saturation by 10% instead.

■ 47, 11.942, 20.860

■ 47, 11.942, 20.860

■ 100, 11.942,
20.860

■ 37, 11.942, 20.860

■ 67, 11.942, 20.860

■ 27, 11.942, 20.860

■ 77, 11.942, 20.860

■ 17, 11.942, 20.860

■ 87, 11.942, 20.860

■ 7, 11.942, 20.860

■ 97, 11.942, 20.860

■ 0, 11.942, 20.860

■ 47, 11.942, 20.860

■ 47, 11.942, 20.860

■ 43, 18.262, 21.910

■ 51, 6.045, 20.034

■ 40, 24.977, 23.252

■ 55, 0.572, 18.762

36, 32.003, 24.989

59, 4.502, 199.071

33, 39.197, 27.219

63, 9.211, 198.630

31, 46.352, 30.013

67, 13.592,
198.297

29, 53.179, 33.313

71, 17.683,
198.031

27, 59.130, 36.665

27, 63.165, 38.665

76, 21.519,
197.814

80, 25.132,
197.635

84, 28.548,
197.486

Harmonies

Complementary

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



47, 11.942, 20.860



53, 10.446, 198.384

Rectangle

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



47, 11.942, 20.860



47, 11.942, 70.860



47, 11.942, 200.860



47, 11.942, 250.860

Sweetspot

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



47, 11.941, 20.867



68, 3.994, 19.648



48, 19.811, 325.544



35, 2.643, 19.691



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, 11.941, 20.867



59, 17.911, 21.303



51, 10.113, 72.895



26, 3.050, 19.883



26, 62.118, 38.509



0, 0.707, 19.409

Inverse Universe

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



53, 10.446, 198.384



68, 15.186, 198.174



49, 9.585, 258.356



28, 2.886, 199.017



49, 30.407, 196.394



1, 0.707, 199.426

Previews

White Background



This preview shows how the CIELCh color 47, 11.942, 20.860 looks on a white background.

Color Contrast Check

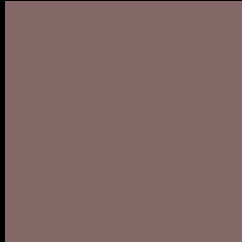
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.942, 20.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

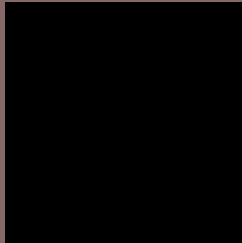
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 11.942, 20.860

Background



This preview shows how black text looks on a background with the CIELCh color 47, 11.942, 20.860.



This preview shows how white text looks on a background with the CIELCh color 47, 11.942, 20.860.

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, 11.942, 20.860

Protanopia

47, 2.148, 74.703

Deuteranopia

47, 7.603, 38.150



Tritanopia
47, 13.339, 0.545

Trichromacy



Original Color
47, 11.942, 20.860

Protanomaly
47, 5.156, 33.096

Deuteranomaly
47, 9.131, 31.511

Tritanomaly
47, 12.948, 7.994

Monochromacy



Original Color
47, 11.942, 20.860

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.139, 19.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 11.942, 20.860 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, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 105)  
}
```

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, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 11.942, 20.860 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, 105, 105) }
```

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

```
.border{ border-color:rgb(133, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 11.942, 20.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 105) }
```

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

```
.background{ background-color: rgb(133,  
105, 105) }
```

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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