

Converting Colors

CIELCh(47, 11.198, 20.741)

Have a look what the booklet for
CIELCh(47, 11.198, 20.741) contains.

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Color

CIELCh(47, 11.068, 20.748)

Conversions

Conversions Part 1

Format	Color
Hex	836969
RGB	131, 105, 105
RGB Percent	51%, 41%, 41%
CMY	0.4853, 0.5873, 0.5873
CMYK	0.00, 0.20, 0.20, 0.49
HSL	0°, 11%, 46%
HSV	0°, 20%, 51%
XYZ	17.0342, 16.0195, 15.6209
YIQ	112.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

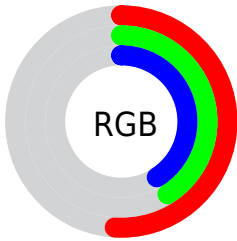
Format	Color
R_{YB}	131, 105, 105
Decimal	8612201
CIE Lab	47.00, 10.35, 3.92
CIE LCh	47, 11.068, 20.748
Yxy	16.0195, 0.3500, 0.3291
Android (android.graphics.Color)	4286802281 (0xFF836969)
YUV	112.7740, -3.8326, 15.9842
Hunter-Lab	40.0243, 5.9266, 4.8769

Details

The CIELCh color $47, 11.068, 20.748$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $53, 9.767, 198.454$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 11.024, 20.389$, and $27, 10.934, 21.423$ is the 20% darker color. If you saturate the color by 10%, you get $43, 17.277, 21.765$, and if you desaturate by 10%, it is $51, 5.279, 19.942$.

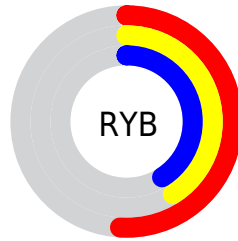
Distribution



Red (51%)

Green (41%)

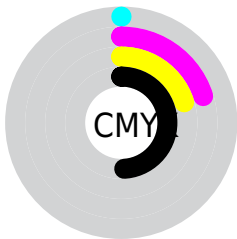
Blue (41%)



Red (51%)

Yellow (41%)

Blue (41%)

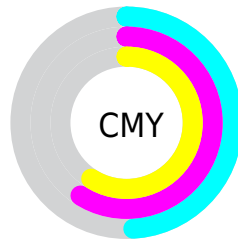


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (49%)



Cyan (49%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 11.068, 20.748 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, 11.068, 20.748 by changing the saturation by 10% instead.

■ 47, 11.068, 20.748

■ 47, 11.068, 20.748

■ 100, 11.068,
20.748

■ 37, 11.068, 20.748

■ 67, 11.068, 20.748

■ 27, 11.068, 20.748

■ 77, 11.068, 20.748

■ 17, 11.068, 20.748

■ 87, 11.068, 20.748

■ 7, 11.068, 20.748

■ 97, 11.068, 20.748

■ 0, 11.068, 20.748

■ 47, 11.068, 20.748

■ 47, 11.068, 20.748

■ 43, 17.277, 21.765

■ 51, 5.279, 19.942

■ 40, 23.884, 23.061

■ 55, 0.093, 203.767

36, 30.813, 24.737

59, 5.073, 199.012

33, 37.931, 26.894

63, 9.696, 198.590

31, 45.041, 29.608

67, 14.000,
198.268

29, 51.873, 32.848

71, 18.022,
198.009

27, 57.958, 36.262

26, 62.508, 38.546

75, 21.794,
197.798

26, 62.590, 38.582

79, 25.349,
197.623

84, 28.713,
197.477

Harmonies

Complementary

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



47, 11.068, 20.748



53, 9.767, 198.454

Rectangle

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



47, 11.068, 20.748



47, 11.068, 70.748



47, 11.068, 200.748



47, 11.068, 250.748

Sweetspot

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



47, 11.067, 20.755



67, 3.946, 19.654



48, 18.448, 325.476



35, 2.643, 19.697



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, 11.067, 20.755



58, 16.921, 21.202



51, 9.392, 73.049



26, 3.050, 19.889



26, 62.117, 38.510



0, 0.707, 19.415

Inverse Universe

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



53, 9.767, 198.454



67, 14.453, 198.229



49, 8.934, 258.150



28, 2.886, 199.023



49, 30.404, 196.405



1, 0.707, 199.432

Previews

White Background



This preview shows how the CIELCh color 47, 11.068, 20.748 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, 11.068, 20.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

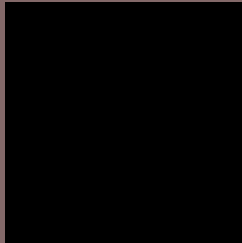
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 11.068, 20.748

Background



This preview shows how black text looks on a background with the CIELCh color 47, 11.068, 20.748.

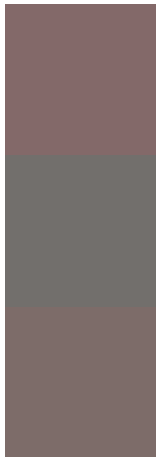


This preview shows how white text looks on a background with the CIELCh color 47, 11.068, 20.748.

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, 11.068, 20.748

Protanopia

47, 2.148, 74.703

Deuteranopia

47, 7.415, 33.916



Tritanopia
47, 12.550, 359.041

Trichromacy



Original Color
47, 11.068, 20.748

Protanomaly
47, 4.742, 34.223

Deuteranomaly
47, 8.571, 28.234

Tritanomaly
47, 12.231, 4.245

Monochromacy



Original Color
47, 11.068, 20.748

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, 11.068, 20.748 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(131, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 105, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 11.068, 20.748 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(131, 105, 105) }
```

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

```
.border{ border-color:rgb(131, 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(131, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(131, 105,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 11.068, 20.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 105, 105) }
```

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

```
.background{ background-color: rgb(131,  
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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