

Converting Colors

CIELCh(47, 13.180, 68.896)

Have a look what the booklet for
CIELCh(47, 13.180, 68.896) contains.

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Color

CIELCh(47, 13.163, 69.095)

Conversions

Conversions Part 1

Format	Color
Hex	7F6C5B
RGB	127, 108, 91
RGB Percent	50%, 42%, 36%
CMY	0.5016, 0.5761, 0.6428
CMYK	0.00, 0.15, 0.28, 0.50
HSL	28°, 17%, 43%
HSV	28°, 28%, 50%
XYZ	16.0298, 16.0195, 12.1640
YIQ	111.7430, 16.7810, -1.2590

Conversions

Conversions Part 2

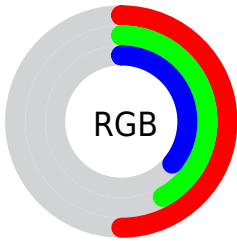
Format	Color
RYB	127, 123, 91
Decimal	8350811
CIELab	47.00, 4.70, 12.30
CIElCh	47, 13.163, 69.095
Yxy	16.0195, 0.3626, 0.3623
Android (android.graphics.Color)	4286540891 (0xFF7F6C5B)
YUV	111.7430, -10.2263, 13.3804
Hunter-Lab	40.0243, 1.4470, 9.9979

Details

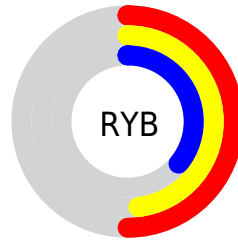
The CIELCh color **47, 13.163, 69.095** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 12.061, 256.437**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 13.115, 68.615**, and **27, 13.253, 70.748** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.265, 67.958**, and if you desaturate by 10%, it is **49, 8.306, 70.242**.

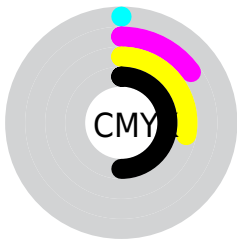
Distribution



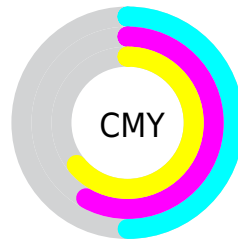
- Red (50%)
- Green (42%)
- Blue (36%)



- Red (50%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (15%)
- Yellow (28%)
- Black (50%)



- Cyan (50%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 13.163, 69.095 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, 13.163, 69.095 by changing the saturation by 10% instead.

■ 47, 13.163, 69.095 ■ 47, 13.163, 69.095

■ 100, 13.163, 69.095 ■ 37, 13.163, 69.095

■ 67, 13.163, 69.095 ■ 27, 13.163, 69.095

■ 77, 13.163, 69.095 ■ 17, 13.163, 69.095

■ 87, 13.163, 69.095 ■ 7, 13.163, 69.095

■ 97, 13.163, 69.095 ■ 0, 13.163, 69.095

■ 47, 13.163, 69.095 ■ 47, 13.163, 69.095

■ 45, 18.265, 67.958 ■ 49, 8.306, 70.242

■ 43, 23.610, 66.811 ■ 51, 3.682, 71.343

■ 41, 29.164, 65.658

■ 54, 0.727, 252.931

■ 39, 34.842, 64.469

■ 56, 4.941, 253.709

■ 37, 40.448, 63.167

■ 58, 8.981, 254.760

■ 35, 45.601, 61.586

■ 60, 12.866,
255.795

■ 34, 50.228, 59.843

■ 63, 16.614,
256.797

■ 33, 51.115, 59.667

■ 65, 20.240,
257.763

■ 67, 23.759,
258.689

Harmonies

Complementary

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



47, 13.163, 69.095



46, 12.061, 256.437

Rectangle

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



47, 13.163, 69.095



47, 13.163, 119.095



47, 13.163, 249.095



47, 13.163, 299.095

Sweetspot

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



47, 13.163, 69.103



66, 4.392, 71.357



43, 18.707, 344.289



34, 3.156, 71.217



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, 13.163, 69.103



59, 19.953, 68.361



52, 19.957, 106.109



26, 2.502, 71.262



34, 51.238, 59.655



0, 0.000, 0.000

Inverse Universe

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



46, 12.061, 256.437



57, 17.871, 257.671



40, 21.206, 292.157



25, 2.444, 253.526



28, 39.657, 279.602



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.163, 69.095 looks on a white background.

Color Contrast Check

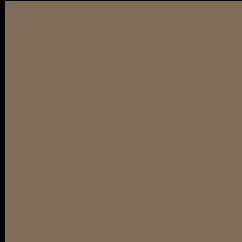
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.163, 69.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

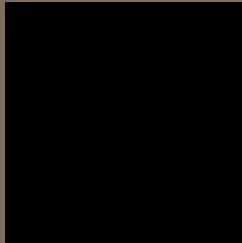
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.163, 69.095

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.163, 69.095.



This preview shows how white text looks on a background with the CIELCh color 47, 13.163, 69.095.

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, 13.163, 69.095

Protanopia

47, 11.026, 92.673

Deuteranopia

47, 13.678, 63.379



Tritanopia
47, 11.370, 356.422

Trichromacy



Original Color
47, 13.163, 69.095

Protanomaly
47, 11.667, 84.306

Deuteranomaly
47, 13.351, 64.696

Tritanomaly
47, 9.797, 23.987

Monochromacy



Original Color
47, 13.163, 69.095

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.824, 78.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.163, 69.095 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(127, 108, 91)` looks like.

```
.text, #text, p{  
    color:rgb(127, 108, 91)  
}
```

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(127, 108, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 108, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.163, 69.095 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(127, 108, 91) }
```

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

```
.border{ border-color:rgb(127, 108, 91) }
```

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

Here you see how a box with a 4 pixel rgb(127, 108, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 108, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 108, 91);  
box-shadow:4px 4px 4px 4px rgb(127, 108,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.163, 69.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 108, 91) }
```

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

```
.background{ background-color: rgb(127,  
108, 91) }
```

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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