

Converting Colors

XYZ(68.7848, 64.5884, 47.3695)

Have a look what the booklet for
XYZ(68.7848, 64.5884, 47.3695)
contains.

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Color

**XYZ(68.7848, 64.5884,
47.3695)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC6AB
RGB	255, 198, 171
RGB Percent	100%, 78%, 67%
CMY	0.0000, 0.2235, 0.3294
CMYK	0.00, 0.22, 0.33, 0.00
HSL	19°, 100%, 84%
HSV	19°, 33%, 100%
XYZ	68.7848, 64.5884, 47.3695
YIQ	211.9650, 42.6390, 3.6870

Conversions

Conversions Part 2

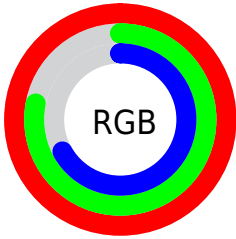
Format	Color
R_{YB}	255, 211, 171
Decimal	16762539
CIE _{Lab}	84.27, 16.70, 21.34
CIE _{LCh}	84, 27.096, 51.946
Yxy	64.5884, 0.3806, 0.3573
Android (android.graphics.Color)	4294952619 (0xFFFFC6AB)
YUV	211.9650, -20.1957, 37.7417
Hunter-Lab	80.3669, 12.1333, 21.3104

Details

The XYZ color **68.7848, 64.5884, 47.3695** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.5870, 71.3623, 105.0834**, and the grayscale version is **62.6675, 65.9311, 71.7990**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **36.3290, 33.1487, 21.9364** is the 20% darker color. If you saturate the color by 10%, you get **62.8534, 56.2475, 34.5354**, and if you desaturate by 10%, it is **75.6400, 74.0264, 62.8262**.

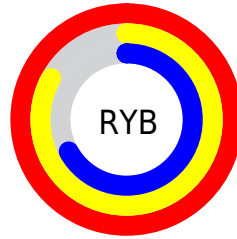
Distribution



Red (100%)

Green (78%)

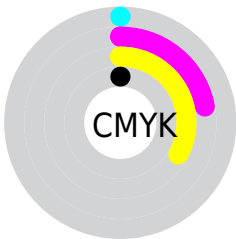
Blue (67%)



Red (100%)

Yellow (83%)

Blue (67%)

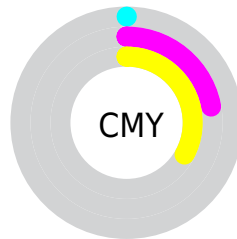


Cyan (0%)

Magenta (22%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7848, 64.5884, 47.3695 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 XYZ color 68.7848, 64.5884, 47.3695 by changing the saturation by 10% instead.


 68.7848, 64.5884,
47.3695

 68.7848, 64.5884,
47.3695


445.6049,
441.3114, 392.7239

 50.8125, 47.1274,
32.9714


 116.5099,
111.4579, 87.6207

 36.2798, 33.1364,
21.8336

146.9934,
141.6352, 114.3108

 24.8215, 22.2309,
13.5375


182.3780,
176.8200, 145.9354

 16.0721, 14.0267,
7.6647

223.0290,
217.3968, 182.9130

 9.6664, 8.1392,
3.7965

269.3119,
263.7500, 225.6621

 5.2389, 4.1842,
1.5144

321.5919,

 2.4243, 1.7771,

316.2638, 274.6012

0.2286

380.2344,
375.3228, 330.1490

■ 0.8572, 0.4728,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7848, 64.5884,
47.3695

■ 68.7848, 64.5884,
47.3695

■ 62.8534, 56.2475,
34.5354

■ 75.6400, 74.0264,
62.8262

■ 57.7990, 48.9536,
24.1724

■ 83.4537, 84.5914,
81.0376

■ 53.5773, 42.6659,
16.1196

■ 92.2644, 96.3231,
102.1314

■ 50.1379, 37.3371,
10.1947

95.0500, 100.0000,
108.9000

■ 47.4241, 32.9156,
6.1879

■ 45.3692, 29.3437,
3.8450

■ 44.2558, 27.2916,
2.9353

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7333, 64.5884, 58.6775



68.7848, 64.5884, 47.3695



63.0212, 64.5884, 42.4035

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7848, 64.5884, 47.3695



50.6523, 64.5884, 65.7940



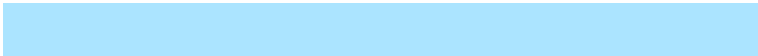
65.8063, 64.5884, 105.6708

Complementary

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



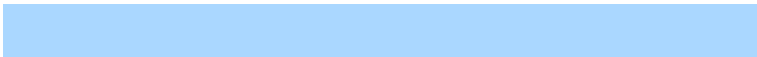
68.7848, 64.5884, 47.3695



62.5870, 71.3623, 105.0834

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.7859, 64.5884, 108.4096



68.7848, 64.5884, 47.3695



51.2908, 64.5884, 83.4218

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7848, 64.5884, 47.3695



52.7392, 64.5884, 51.8492



54.5439, 64.5884, 99.7088



70.9371, 64.5884, 92.7406

Rectangle

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



68.7848, 64.5884, 47.3695



59.0303, 64.5884, 42.6824



54.5439, 64.5884, 99.7088



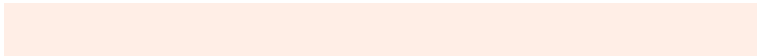
63.8103, 64.5884, 107.8901

Sweetspot

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



68.7864, 64.5914, 47.3708



85.9395, 87.9185, 86.9358



69.8625, 56.0101, 80.8195



18.1380, 18.4751, 17.9978



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.7864, 64.5914, 47.3708



64.5049, 58.5902, 38.0462



79.6334, 86.2854, 50.9865



18.4861, 18.9403, 18.8259



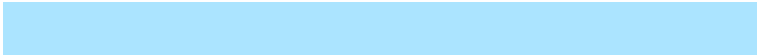
23.2435, 14.4983, 1.5734



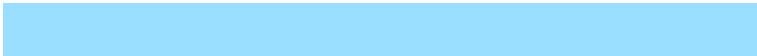
2.3571, 1.5996, 0.1845

Inverse Universe

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



62.5870, 71.3623, 105.0834



57.3634, 66.3454, 104.3903



52.4885, 51.1652, 101.7172



18.0336, 19.4389, 23.0516



17.3829, 19.6754, 52.3161



1.7915, 2.1137, 5.1268

Previews

White Background



This preview shows how the XYZ color 68.7848, 64.5884, 47.3695 looks on a white background.

Color Contrast Check

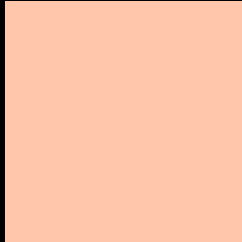
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.7848, 64.5884, 47.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

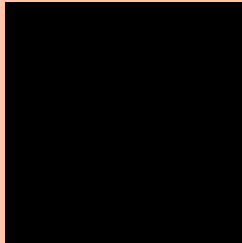
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7848, 64.5884, 47.3695

Background



This preview shows how black text looks on a background with the XYZ color 68.7848, 64.5884, 47.3695.



This preview shows how white text looks on a background with the XYZ color 68.7848, 64.5884,

47.3695.

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

68.7848, 64.5884, 47.3695

Protanopia

61.1066, 64.7971, 50.8814

Deuteranopia

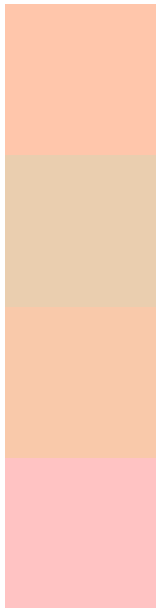
66.0324, 64.5558, 47.0104



Tritanopia

71.9170, 64.3976, 68.3141

Trichromacy



Original Color

68.7848, 64.5884, 47.3695

Protanomaly

63.7409, 64.7302, 49.6921

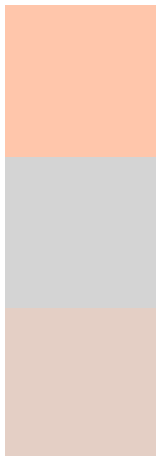
Deuteranomaly

67.2093, 64.8153, 46.9985

Tritanomaly

70.6054, 64.2303, 60.3061

Monochromacy



Original Color

68.7848, 64.5884, 47.3695

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.3858, 65.1508, 62.0052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7848, 64.5884, 47.3695 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(255, 198, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 171)  
}
```

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(255, 198, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 171) }
```

Border

The CSS property to change the border of an element to XYZ 68.7848, 64.5884, 47.3695 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(255, 198, 171) }
```


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

```
.border{ border-color:rgb(255, 198, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7848, 64.5884, 47.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 171) }
```

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

```
.background{ background-color: rgb(255,  
198, 171) }
```

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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