

Converting Colors

XYZ(137.6425, 100.0000,
51.1966)

Have a look what the booklet for
XYZ(137.6425, 100.0000, 51.1966)
contains.

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Color

**XYZ(68.8805, 64.6267,
47.8735)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC6AC
RGB	255, 198, 172
RGB Percent	100%, 78%, 67%
CMY	0.0000, 0.2235, 0.3255
CMYK	0.00, 0.22, 0.33, 0.00
HSL	19°, 100%, 84%
HSV	19°, 33%, 100%
XYZ	68.8805, 64.6267, 47.8735
YIQ	212.0790, 42.3180, 3.9980

Conversions

Conversions Part 2

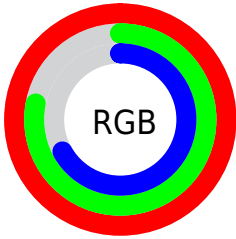
Format	Color
R _Y B	255, 210, 172
Decimal	16762540
CIE Lab	84.29, 16.82, 20.83
CIE LCh	84, 26.779, 51.078
Yxy	64.6267, 0.3798, 0.3563
Android (android.graphics.Color)	4294952620 (0xFFFFC6AC)
YUV	212.0790, -19.7589, 37.6417
Hunter-Lab	80.3907, 12.2588, 20.9657

Details

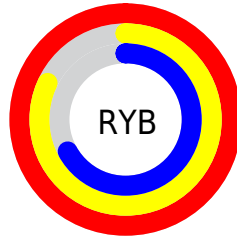
The XYZ color **68.8805, 64.6267, 47.8735** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.0816, 72.0268, 105.1856**, and the grayscale version is **62.7407, 66.0081, 71.8828**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **36.3894, 33.1729, 22.2544** is the 20% darker color. If you saturate the color by 10%, you get **62.8890, 56.1941, 34.9311**, and if you desaturate by 10%, it is **75.8079, 74.1787, 63.4476**.

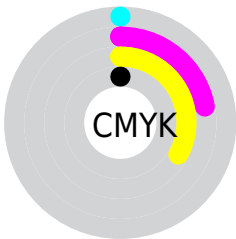
Distribution



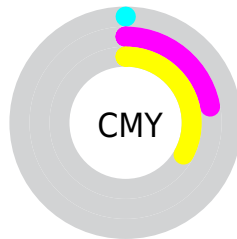
- Red (100%)
- Green (78%)
- Blue (67%)



- Red (100%)
- Yellow (82%)
- 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 68.8805, 64.6267, 47.8735 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 68.8805, 64.6267, 47.8735 by changing the saturation by 10% instead.


 68.8805, 64.6267,
47.8735

 68.8805, 64.6267,
47.8735


445.9374,
441.4493, 394.7847

 50.8907, 47.1584,
33.3674


 116.6459,
111.5130, 88.3796

 36.3423, 33.1609,
22.1347

147.1522,
141.6998, 115.2168

 24.8700, 22.2498,
13.7566


182.5613,
176.8950, 147.0013

 16.1085, 14.0405,
7.8148

223.2386,
217.4828, 184.1519

 9.6923, 8.1489,
3.8906

269.5496,
263.8478, 227.0870

 5.2561, 4.1904,
1.5655

321.8594,

 2.4346, 1.7806,

316.3743, 276.2251

0.2660

380.5336,
375.4466, 331.9848

■ 0.8624, 0.4750,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8805, 64.6267,
47.8735

■ 68.8805, 64.6267,
47.8735

■ 62.8890, 56.1941,
34.9311

■ 75.8079, 74.1787,
63.4476

■ 57.7859, 48.8297,
24.4691

■ 83.7061, 84.8810,
81.7850

■ 53.5266, 42.4917,
16.3269

■ 92.6141, 96.7743,
103.0135

■ 50.0601, 37.1313,
10.3232

95.0500, 100.0000,
108.9000

■ 47.3292, 32.6958,
6.2490

■ 45.2670, 29.1259,
3.8522

■ 44.1010, 26.9821,
2.8837

Harmonies

Analogous

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



72.7051, 64.6267, 59.2524



68.8805, 64.6267, 47.8735



63.2133, 64.6267, 42.7590

Triad

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



68.8805, 64.6267, 47.8735



50.8243, 64.6267, 65.4179



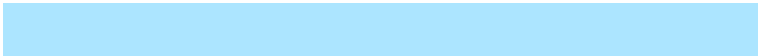
65.6234, 64.6267, 105.4943

Complementary

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



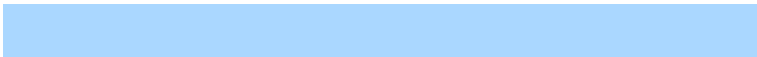
68.8805, 64.6267, 47.8735



63.0816, 72.0268, 105.1856

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.



59.6722, 64.6267, 107.8589



68.8805, 64.6267, 47.8735



51.3778, 64.6267, 82.7924

Square

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



68.8805, 64.6267, 47.8735



52.9655, 64.6267, 51.7611



54.5292, 64.6267, 98.9909



70.7420, 64.6267, 92.9709

Rectangle

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



68.8805, 64.6267, 47.8735



59.2583, 64.6267, 42.9124



54.5292, 64.6267, 98.9909



63.6454, 64.6267, 107.5752

Sweetspot

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



68.8821, 64.6297, 47.8748



85.8789, 87.7974, 86.9156



70.2899, 56.4845, 82.1348



18.1234, 18.4459, 17.9929



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.



68.8821, 64.6297, 47.8748



64.9114, 59.0625, 39.2321



79.3778, 85.6211, 51.3734



18.4737, 18.9156, 18.8217



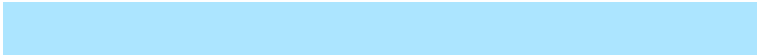
23.1606, 14.3323, 1.5457



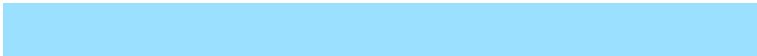
2.3478, 1.5810, 0.1814

Inverse Universe

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



63.0816, 72.0268, 105.1856



58.2862, 67.4688, 104.5585



53.1755, 52.2147, 101.8835



18.0466, 19.4649, 23.0559



17.5920, 20.0935, 52.3858



1.8107, 2.1521, 5.1332

Previews

White Background



This preview shows how the XYZ color 68.8805, 64.6267, 47.8735 looks on a white background.

Color Contrast Check

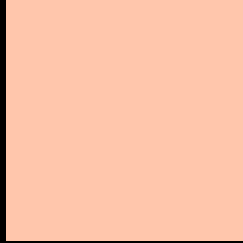
Large Text (above 18pt) WCAG AA × Fail

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 68.8805, 64.6267, 47.8735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

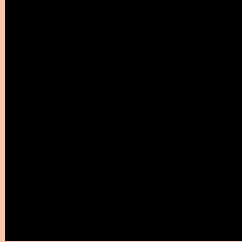
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8805, 64.6267, 47.8735

Background



This preview shows how black text looks on a background with the XYZ color 68.8805, 64.6267, 47.8735.



This preview shows how white text looks on a background with the XYZ color 68.8805, 64.6267,

47.8735.

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

68.8805, 64.6267, 47.8735

Protanopia

61.2067, 64.8371, 51.4084

Deuteranopia

66.1274, 64.5938, 47.5106



Tritanopia

72.1403, 64.8443, 68.3885

Trichromacy



Original Color

68.8805, 64.6267, 47.8735

Protanomaly

63.8395, 64.7696, 50.2114

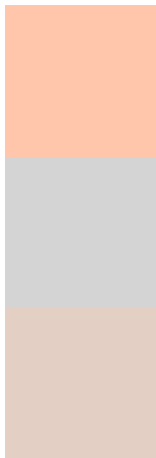
Deuteranomaly

67.3043, 64.8533, 47.4987

Tritanomaly

70.8303, 64.6800, 60.3811

Monochromacy



Original Color

68.8805, 64.6267, 47.8735

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 68.8805, 64.6267, 47.8735 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 172) }
```

Border

The CSS property to change the border of an element to XYZ 68.8805, 64.6267, 47.8735 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, 172) }
```


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

```
.border{ border-color:rgb(255, 198, 172) }
```

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, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8805, 64.6267, 47.8735 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, 172) }
```

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

```
.background{ background-color: rgb(255,  
198, 172) }
```

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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