

Converting Colors

XYZ(67.7808, 66.8579, 47.8623)

Have a look what the booklet for
XYZ(67.7808, 66.8579, 47.8623)
contains.

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Color

**XYZ(67.7798, 66.8570,
47.8604)**

Conversions

Conversions Part 1

Format	Color
Hex	F7CEAB
RGB	247, 206, 171
RGB Percent	97%, 81%, 67%
CMY	0.0314, 0.1921, 0.3294
CMYK	0.00, 0.17, 0.31, 0.03
HSL	28°, 83%, 82%
HSV	28°, 31%, 97%
XYZ	67.7798, 66.8570, 47.8604
YIQ	214.2690, 35.6710, -2.1930

Conversions

Conversions Part 2

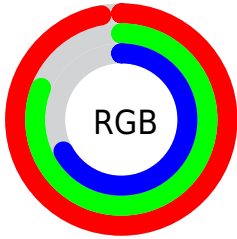
Format	Color
R _Y B	247, 236, 171
Decimal	16240299
CIE Lab	85.43, 9.50, 22.82
CIE LCh	85, 24.715, 67.388
Yxy	66.8570, 0.3714, 0.3663
Android (android.graphics.Color)	4294430379 (0xFFF7CEAB)
YUV	214.2690, -21.3316, 28.7051
Hunter-Lab	81.7661, 4.8763, 22.5319

Details

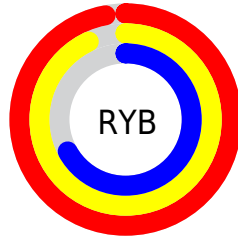
The XYZ color **67.7798, 66.8570, 47.8604** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.1261, 62.4586, 97.0409**, and the grayscale version is **64.2215, 67.5660, 73.5794**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **35.7932, 34.7355, 22.2709** is the 20% darker color. If you saturate the color by 10%, you get **62.5696, 59.8587, 35.5735**, and if you desaturate by 10%, it is **73.7054, 74.5813, 62.5577**.

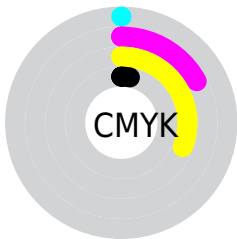
Distribution



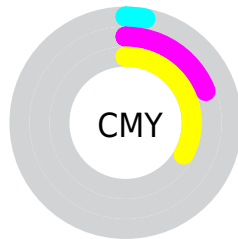
- Red (97%)
- Green (81%)
- Blue (67%)



- Red (97%)
- Yellow (93%)
- Blue (67%)



- Cyan (0%)
- Magenta (17%)
- Yellow (31%)
- Black (3%)





- Cyan (3%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7798, 66.8570, 47.8604 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 67.7798, 66.8570, 47.8604 by changing the saturation by 10% instead.


 67.7798, 66.8570,
47.8604

 67.7798, 66.8570,
47.8604


442.1044,
449.4356, 394.7313

 49.9916, 48.9684,
33.3571


 115.0807,
114.7155, 88.3599

 35.6245, 34.5944,
22.1268


145.3242,
145.4542, 115.1932

 24.3131, 23.3506,
13.7509


180.4501,
181.2450, 146.9737

 15.6920, 14.8526,
7.8109

220.8239,
222.4725, 184.1197

 9.3960, 8.7160,
3.8881

266.8109,
269.5208, 227.0500

 5.0595, 4.5564,
1.5642

318.7764,

 2.3173, 1.9894,

322.7745, 276.1830

0.2651

377.0858,
382.6180, 331.9372

■ 0.8035, 0.6013,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7798, 66.8570,
47.8604

■ 67.7798, 66.8570,
47.8604

■ 62.5696, 59.8587,
35.5735

■ 73.7054, 74.5813,
62.5577

■ 58.0383, 53.5539,
25.5612

■ 80.3702, 83.0443,
79.7827

■ 54.1537, 47.9209,
17.6807

■ 87.8035, 92.2702,
99.6500

■ 50.8784, 42.9331,
11.7708

■ 92.1679, 98.5142,
108.7651

■ 48.1702, 38.5616,
7.6470

■ 45.9798, 34.7738,
5.0888

■ 44.3489, 31.7562,
3.7921

Harmonies

Analogous

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



72.4984, 66.8570, 55.6177



67.7798, 66.8570, 47.8604



62.1699, 66.8570, 46.2780

Triad

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



67.7798, 66.8570, 47.8604



53.4464, 66.8570, 76.8370



70.3163, 66.8570, 100.1748

Complementary

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



67.7798, 66.8570, 47.8604



57.1261, 62.4586, 97.0409

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.



64.9414, 66.8570, 107.8930



67.7798, 66.8570, 47.8604



55.3619, 66.8570, 93.1904

Square

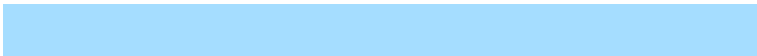
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7798, 66.8570, 47.8604



54.1075, 66.8570, 61.5623



59.4915, 66.8570, 105.1652



74.0219, 66.8570, 85.3191

Rectangle

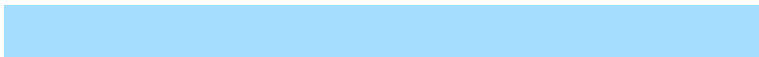
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7798, 66.8570, 47.8604



58.7160, 66.8570, 48.6869



59.4915, 66.8570, 105.1652



68.6329, 66.8570, 103.7824

Sweetspot

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



67.7815, 66.8601, 47.8618



87.7497, 90.9633, 89.3139



64.9062, 53.6947, 69.7616



18.5431, 19.1708, 18.4864



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.



67.7815, 66.8601, 47.8618



69.2604, 67.0574, 42.8496



77.8194, 86.9358, 51.2077



17.1281, 17.7403, 17.3190



23.5931, 17.0719, 2.0517



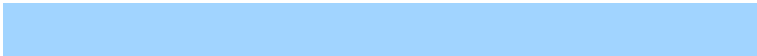
2.1752, 1.7036, 0.2142

Inverse Universe

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



57.1261, 62.4586, 97.0409



56.1070, 61.6197, 103.5444



48.8749, 45.9564, 94.2905



16.3217, 17.4076, 21.0423



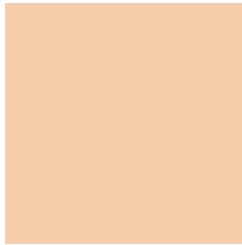
13.4756, 12.7449, 48.2878



1.2871, 1.3257, 4.2783

Previews

White Background



This preview shows how the XYZ color 67.7798, 66.8570, 47.8604 looks on a white background.

Color Contrast Check

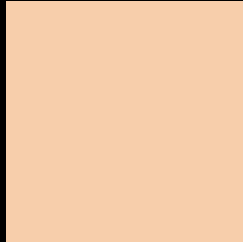
Large Text (above 18pt) WCAG AA × Fail

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 67.7798, 66.8570, 47.8604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

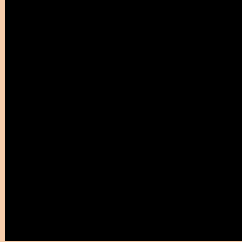
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7798, 66.8570, 47.8604

Background



This preview shows how black text looks on a background with the XYZ color 67.7798, 66.8570, 47.8604.



This preview shows how white text looks on a background with the XYZ color 67.7798, 66.8570,

47.8604.

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

67.7798, 66.8570, 47.8604

Protanopia

62.7983, 66.8132, 49.6308

Deuteranopia

68.2489, 66.7427, 47.8136



Tritanopia

73.0649, 66.9103, 73.3540

Trichromacy



Original Color

67.7798, 66.8570, 47.8604

Protanomaly

64.5211, 66.6027, 48.9902

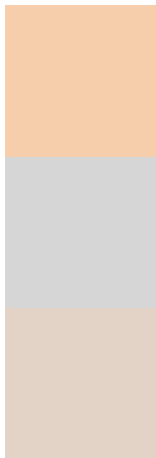
Deuteranomaly

67.8934, 66.5594, 47.7970

Tritanomaly

70.8537, 66.6886, 63.1706

Monochromacy



Original Color

67.7798, 66.8570, 47.8604

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.8513, 66.8345, 62.9084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7798, 66.8570, 47.8604 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(247, 206, 171)` looks like.

```
.text, #text, p{  
    color:rgb(247, 206, 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(247, 206, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 206, 171) }
```

Border

The CSS property to change the border of an element to XYZ 67.7798, 66.8570, 47.8604 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(247, 206, 171) }
```


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

```
.border{ border-color:rgb(247, 206, 171) }
```

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

Here you see how a box with a 4 pixel rgb(247, 206, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 206, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 206, 171);  
box-shadow:4px 4px 4px 4px rgb(247, 206,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7798, 66.8570, 47.8604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 206, 171) }
```

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

```
.background{ background-color: rgb(247,  
206, 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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