

Converting Colors

XYZ(67.9708, 64.1904, 43.3062)

Have a look what the booklet for
XYZ(67.9708, 64.1904, 43.3062)
contains.

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Color

**XYZ(68.0449, 64.2925,
43.4737)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC6A3
RGB	255, 198, 163
RGB Percent	100%, 78%, 64%
CMY	0.0000, 0.2235, 0.3608
CMYK	0.00, 0.22, 0.36, 0.00
HSL	23°, 100%, 82%
HSV	23°, 36%, 100%
XYZ	68.0449, 64.2925, 43.4737
YIQ	211.0530, 45.2070, 1.1990

Conversions

Conversions Part 2

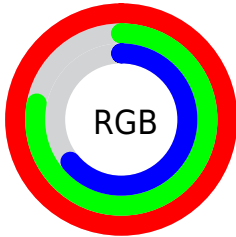
Format	Color
R_{YB}	255, 219, 163
Decimal	16762531
CIE _{Lab}	84.12, 15.75, 25.35
CIE _{LCh}	84, 29.839, 58.147
Y _{xy}	64.2925, 0.3870, 0.3657
Android (android.graphics.Color)	4294952611 (0xFFFFC6A3)
YUV	211.0530, -23.6901, 38.5415
Hunter-Lab	80.1826, 11.1599, 23.9818

Details

The XYZ color **68.0449, 64.2925, 43.4737** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.7465, 66.1905, 104.2874**, and the grayscale version is **62.0840, 65.3172, 71.1304**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **35.8685, 32.9645, 19.5112** is the 20% darker color. If you saturate the color by 10%, you get **62.5622, 56.6222, 31.4879**, and if you desaturate by 10%, it is **74.3682, 72.9064, 58.0138**.

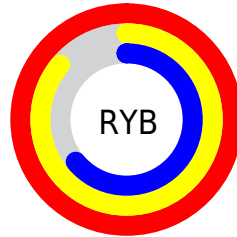
Distribution



Red (100%)

Green (78%)

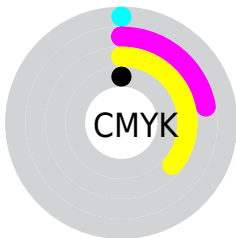
Blue (64%)



Red (100%)

Yellow (86%)

Blue (64%)

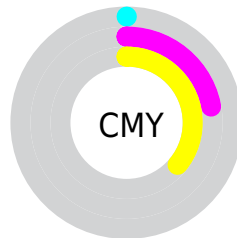


Cyan (0%)

Magenta (22%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0449, 64.2925, 43.4737 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 68.0449, 64.2925, 43.4737 by changing the saturation by 10% instead.


 68.0449, 64.2925,
43.4737


 68.0449, 64.2925,
43.4737


443.0293,
440.2451, 376.5345

 50.2081, 46.8876,
29.9228


 115.4579,
111.0321, 81.7192

 35.7972, 32.9468,
19.5285


 145.7648,
141.1356, 107.2509

 24.4470, 22.0857,
11.8721


180.9592,
176.2407, 137.6133

 15.7921, 13.9199,
6.5352

221.4062,
216.7319, 173.2249

 9.4671, 8.0650,
3.0991

267.4714,
262.9936, 214.5043

 5.1066, 4.1366,
1.1455

319.5201,

 2.3453, 1.7502,

315.4101, 261.8700

0.0000

377.9176,
374.3658, 315.7406

■ 0.8177, 0.4559,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0449, 64.2925,
43.4737

■ 68.0449, 64.2925,
43.4737

■ 62.5622, 56.6222,
31.4879

■ 74.3682, 72.9064,
58.0138

■ 57.8759, 49.8523,
21.9018

■ 81.5638, 82.4871,
75.2422

■ 53.9446, 43.9493,
14.5503

■ 89.6673, 93.0680,
95.2885

■ 50.7208, 38.8738,
9.2453

95.0500, 100.0000,
108.9000

■ 48.1500, 34.5826,
5.7668

■ 46.1671, 31.0267,
3.8427

■ 45.5171, 29.8142,
3.3557

Harmonies

Analogous

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



72.9804, 64.2925, 54.2368



68.0449, 64.2925, 43.4737



61.5190, 64.2925, 39.6273

Triad

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



68.0449, 64.2925, 43.4737



49.2941, 64.2925, 68.8361



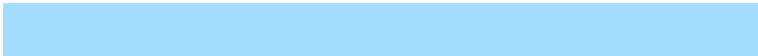
67.2849, 64.2925, 107.1405

Complementary

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



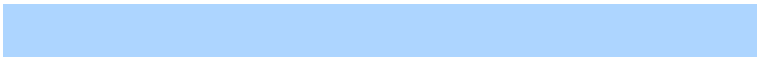
68.0449, 64.2925, 43.4737



58.7465, 66.1905, 104.2874

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.



60.6991, 64.2925, 112.9177



68.0449, 64.2925, 43.4737



50.5987, 64.2925, 88.5633

Square

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



68.0449, 64.2925, 43.4737



50.9611, 64.2925, 52.5394



54.6595, 64.2925, 105.5888



72.5199, 64.2925, 90.9634

Rectangle

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



68.0449, 64.2925, 43.4737



57.2446, 64.2925, 40.8626



54.6595, 64.2925, 105.5888



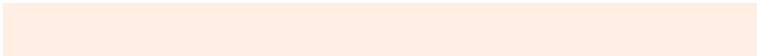
65.1417, 64.2925, 110.4781

Sweetspot

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



68.0465, 64.2955, 43.4750



85.5631, 87.7330, 85.0614



67.4242, 52.6897, 75.2099



18.0805, 18.4732, 17.6300



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.



68.0465, 64.2955, 43.4750



64.1633, 58.8860, 34.9141



79.8218, 87.8461, 47.4001



18.5758, 19.1198, 18.8558



23.9162, 15.8437, 1.7976



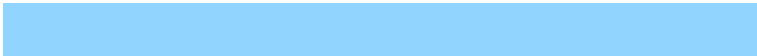
2.4301, 1.7455, 0.2088

Inverse Universe

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



58.7465, 66.1905, 104.2874



53.6533, 61.0005, 103.5542



48.5368, 45.7711, 100.8842



17.9403, 19.2522, 23.0204



15.9667, 16.8429, 51.8441



1.6601, 1.8510, 5.0830

Previews

White Background



This preview shows how the XYZ color 68.0449, 64.2925, 43.4737 looks on a white background.

Color Contrast Check

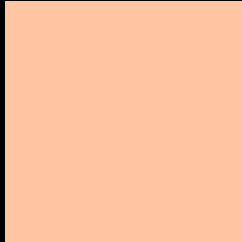
Large Text (above 18pt) WCAG AA × Fail

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 68.0449, 64.2925, 43.4737 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 68.0449, 64.2925, 43.4737

Background



This preview shows how black text looks on a background with the XYZ color 68.0449, 64.2925, 43.4737.



This preview shows how white text looks on a background with the XYZ color 68.0449, 64.2925,

43.4737.

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

68.0449, 64.2925, 43.4737

Protanopia

60.5459, 64.6083, 46.3253

Deuteranopia

65.6482, 64.4425, 43.1610



Tritanopia

71.7943, 64.3486, 67.6680

Trichromacy



Original Color

68.0449, 64.2925, 43.4737

Protanomaly

63.2152, 64.5580, 45.2055

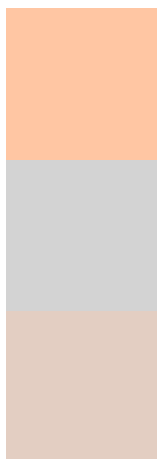
Deuteranomaly

66.4752, 64.5217, 43.1327

Tritanomaly

70.1591, 64.0518, 57.9557

Monochromacy



Original Color

68.0449, 64.2925, 43.4737

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.4875, 64.3685, 60.1172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0449, 64.2925, 43.4737 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 163) }
```

Border

The CSS property to change the border of an element to XYZ 68.0449, 64.2925, 43.4737 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, 163) }
```


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

```
.border{ border-color:rgb(255, 198, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0449, 64.2925, 43.4737 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, 163) }
```

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

```
.background{ background-color: rgb(255,  
198, 163) }
```

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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