

Converting Colors

XYZ(77.1092, 67.9739, 47.0776)

Have a look what the booklet for
XYZ(77.1092, 67.9739, 47.0776)
contains.

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Color

**XYZ(68.0108, 63.1925,
46.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3AA
RGB	255, 195, 170
RGB Percent	100%, 76%, 67%
CMY	0.0000, 0.2353, 0.3333
CMYK	0.00, 0.24, 0.33, 0.00
HSL	18°, 100%, 83%
HSV	18°, 33%, 100%
XYZ	68.0108, 63.1925, 46.6430
YIQ	210.0900, 43.7850, 4.9450

Conversions

Conversions Part 2

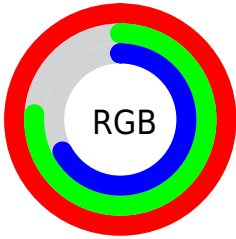
Format	Color
R _Y B	255, 205, 170
Decimal	16761770
CIE Lab	83.54, 18.15, 20.86
CIE LCh	84, 27.650, 48.977
Yxy	63.1925, 0.3824, 0.3553
Android (android.graphics.Color)	4294951850 (0xFFFFC3AA)
YUV	210.0900, -19.7644, 39.3861
Hunter-Lab	79.4937, 13.6016, 20.8571

Details

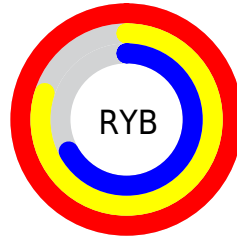
The XYZ color **68.0108, 63.1925, 46.6430** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.9233, 72.3571, 105.2576**, and the grayscale version is **61.4246, 64.6235, 70.3750**.

A 20% lighter version of the original color is **89.6410, 96.3170, 85.1006**, and **35.8208, 32.2281, 21.4722** is the 20% darker color. If you saturate the color by 10%, you get **62.0362, 54.7365, 33.8825**, and if you desaturate by 10%, it is **74.9426, 72.8138, 62.0321**.

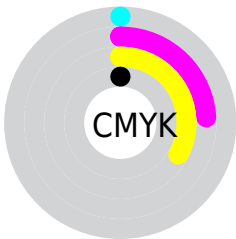
Distribution



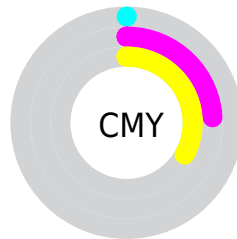
- Red (100%)
- Green (76%)
- Blue (67%)



- Red (100%)
- Yellow (80%)
- Blue (67%)



- Cyan (0%)
- Magenta (24%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0108, 63.1925, 46.6430 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 68.0108, 63.1925, 46.6430 by changing the saturation by 10% instead.


 68.0108, 63.1925,
46.6430

 68.0108, 63.1925,
46.6430


442.9104,
436.2678, 389.7402

 50.1802, 45.9970,
32.4012


 115.4094,
109.4472, 86.5249

 35.7750, 32.2434,
21.4008


145.7082,
139.2751, 113.0020

 24.4298, 21.5475,
13.2232


180.8937,
174.0826, 144.3947

 15.7792, 13.5248,
7.4499

221.3314,
214.2541, 181.1215

 9.4579, 7.7909,
3.6623

267.3865,
260.1740, 223.6009

 5.1005, 3.9614,
1.4420

319.4245,

 2.3417, 1.6520,

312.2266, 272.2514

0.1741

377.8107,
370.7964, 327.4917

■ 0.8159, 0.3923,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0108, 63.1925,
46.6430

■ 68.0108, 63.1925,
46.6430

■ 62.0362, 54.7365,
33.8825

■ 74.9426, 72.8138,
62.0321

■ 56.9697, 47.3916,
23.5981

■ 82.8682, 83.6342,
80.1831

■ 52.7646, 41.1123,
15.6273

■ 91.8278, 95.6970,
101.2245

■ 49.3680, 35.8465,
9.7862

95.0500, 100.0000,
108.9000

■ 46.7200, 31.5369,
5.8627

■ 44.7507, 28.1195,
3.5994

■ 43.7572, 26.2944,
2.7691

Harmonies

Analogous

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



71.7257, 63.1925, 58.5485



68.0108, 63.1925, 46.6430



62.3102, 63.1925, 41.0544

Triad

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



68.0108, 63.1925, 46.6430



49.3710, 63.1925, 62.6414



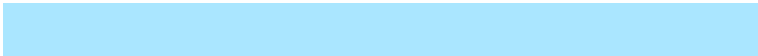
63.9182, 63.1925, 105.2870

Complementary

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



68.0108, 63.1925, 46.6430



62.9233, 72.3571, 105.2576

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.



57.8697, 63.1925, 106.8804



68.0108, 63.1925, 46.6430



49.7377, 63.1925, 80.1963

Square

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



68.0108, 63.1925, 46.6430



51.7213, 63.1925, 49.2056



52.7591, 63.1925, 97.0675



69.2556, 63.1925, 93.0221

Rectangle

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



68.0108, 63.1925, 46.6430



58.2689, 63.1925, 40.9085



52.7591, 63.1925, 97.0675



61.8927, 63.1925, 107.1572

Sweetspot

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



68.0124, 63.1955, 46.6443



85.7374, 87.5144, 86.8684



70.0271, 55.7749, 82.6147



18.0893, 18.3778, 17.9815



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.



68.0124, 63.1955, 46.6443



63.9246, 57.4296, 37.8528



78.6596, 84.4899, 50.1933



18.4448, 18.8577, 18.8121



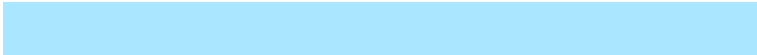
22.9757, 13.9626, 1.4841



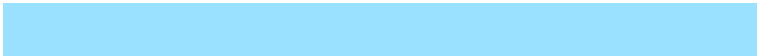
2.3269, 1.5391, 0.1744

Inverse Universe

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



62.9233, 72.3571, 105.2576



58.1103, 67.8392, 104.6393



52.7005, 51.9115, 101.8500



18.0771, 19.5258, 23.0660



18.0938, 21.0972, 52.5531



1.8565, 2.2438, 5.1485

Previews

White Background



This preview shows how the XYZ color 68.0108, 63.1925, 46.6430 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 68.0108, 63.1925, 46.6430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

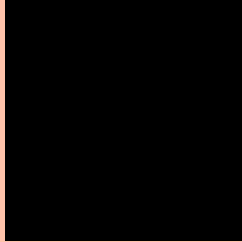
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0108, 63.1925, 46.6430

Background



This preview shows how black text looks on a background with the XYZ color 68.0108, 63.1925, 46.6430.



This preview shows how white text looks on a background with the XYZ color 68.0108, 63.1925,

46.6430.

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

68.0108, 63.1925, 46.6430

Protanopia

59.9075, 63.4620, 50.1662

Deuteranopia

64.4337, 63.0504, 46.3100



Tritanopia

71.1091, 63.3671, 66.2408

Trichromacy



Original Color

68.0108, 63.1925, 46.6430

Protanomaly

62.6002, 63.0915, 48.9229

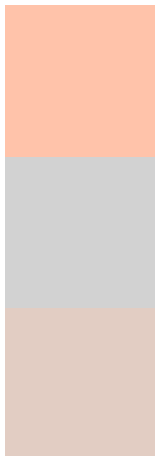
Deuteranomaly

65.7133, 63.0269, 46.2381

Tritanomaly

69.8244, 63.2057, 58.3889

Monochromacy



Original Color

68.0108, 63.1925, 46.6430

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

63.0457, 63.7715, 60.6160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0108, 63.1925, 46.6430 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, 195, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 170)  
}
```

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, 195, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 170) }
```

Border

The CSS property to change the border of an element to XYZ 68.0108, 63.1925, 46.6430 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, 195, 170) }
```


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

```
.border{ border-color:rgb(255, 195, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0108, 63.1925, 46.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 170) }
```

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

```
.background{ background-color: rgb(255,  
195, 170) }
```

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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