

Converting Colors

XYZ(98.0384, 78.9389, 49.6160)

Have a look what the booklet for
XYZ(98.0384, 78.9389, 49.6160)
contains.

XYZ(68.5228, 63.7570, 48.2300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.5228, 63.7570,
48.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4AD
RGB	255, 196, 173
RGB Percent	100%, 77%, 68%
CMY	0.0000, 0.2313, 0.3216
CMYK	0.00, 0.23, 0.32, 0.00
HSL	17°, 100%, 84%
HSV	17°, 32%, 100%
XYZ	68.5228, 63.7570, 48.2300
YIQ	211.0190, 42.5470, 5.3550

Conversions

Conversions Part 2

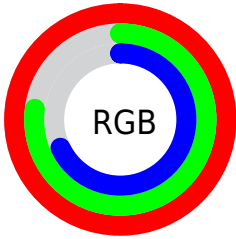
Format	Color
R _Y B	255, 205, 173
Decimal	16762029
CIE Lab	83.84, 17.99, 19.68
CIE LCh	84, 26.665, 47.561
Yxy	63.7570, 0.3796, 0.3532
Android (android.graphics.Color)	4294952109 (0xFFFFC4AD)
YUV	211.0190, -18.7434, 38.5713
Hunter-Lab	79.8480, 13.4486, 20.0811

Details

The XYZ color **68.5228, 63.7570, 48.2300** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **64.1392, 73.8150, 105.4750**, and the grayscale version is **62.0310, 65.2615, 71.0698**.

A 20% lighter version of the original color is **90.3689, 97.1120, 87.3803**, and **36.1501, 32.5968, 22.4757** is the 20% darker color. If you saturate the color by 10%, you get **62.3988, 55.0882, 35.1549**, and if you desaturate by 10%, it is **75.6269, 73.6321, 63.9564**.

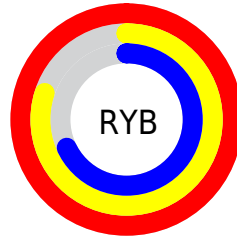
Distribution



Red (100%)

Green (77%)

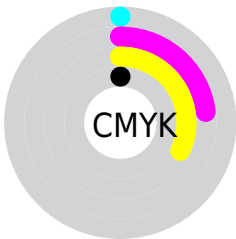
Blue (68%)



Red (100%)

Yellow (80%)

Blue (68%)

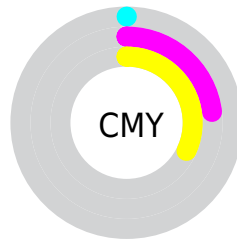


Cyan (0%)

Magenta (23%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (23%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5228, 63.7570, 48.2300 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 68.5228, 63.7570, 48.2300 by changing the saturation by 10% instead.


 68.5228, 63.7570,
48.2300

 68.5228, 63.7570,
48.2300


444.6938,
438.3116, 396.2380

 50.5984, 46.4539,
33.6478


 116.1375,
110.2609, 88.9159

 36.1088, 32.6041,
22.3480


146.5586,
140.2305, 115.8566

 24.6888, 21.8234,
13.9121


181.8759,
175.1910, 147.7539

 15.9728, 13.7272,
7.9215

222.4548,
215.5269, 185.0263

 9.5956, 7.9312,
3.9577

268.6607,
261.6225, 228.0924

 5.1919, 4.0509,
1.6022

320.8590,

 2.3962, 1.7021,

313.8622, 277.3707

0.2924

379.4149,
372.6304, 333.2797

■ 0.8432, 0.4250,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5228, 63.7570,
48.2300

■ 68.5228, 63.7570,
48.2300

■ 62.3988, 55.0882,
35.1549

■ 75.6269, 73.6321,
63.9564

■ 57.2053, 47.5698,
24.5797

■ 83.7483, 84.7491,
82.4664

■ 52.8947, 41.1543,
16.3435

■ 92.9283, 97.1529,
103.8879

■ 49.4136, 35.7874,
10.2648

95.0500, 100.0000,
108.9000

■ 46.7016, 31.4098,
6.1348

■ 44.6885, 27.9550,
3.7024

■ 43.5278, 25.8355,
2.6926

Harmonies

Analogous

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



71.9857, 63.7570, 60.1345



68.5228, 63.7570, 48.2300



63.0580, 63.7570, 42.4420

Triad

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



68.5228, 63.7570, 48.2300



50.2511, 63.7570, 62.7009



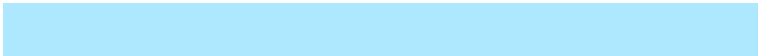
64.0619, 63.7570, 104.9443

Complementary

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



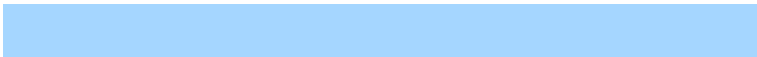
68.5228, 63.7570, 48.2300



64.1392, 73.8150, 105.4750

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.



58.2050, 63.7570, 105.9303



68.5228, 63.7570, 48.2300



50.4814, 63.7570, 79.6165

Square

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



68.5228, 63.7570, 48.2300



52.6602, 63.7570, 49.8470



53.3111, 63.7570, 96.0547



69.2984, 63.7570, 93.5454

Rectangle

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



68.5228, 63.7570, 48.2300



59.1289, 63.7570, 42.0995



53.3111, 63.7570, 96.0547



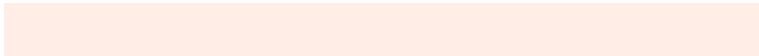
62.0935, 63.7570, 106.5634

Sweetspot

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



68.5244, 63.7599, 48.2313



85.6369, 87.3134, 86.8349



70.9110, 57.0386, 84.4632



18.0651, 18.3294, 17.9735



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.



68.5244, 63.7599, 48.2313



64.2293, 57.6983, 39.0047



78.7402, 84.1916, 51.6366



18.4242, 18.8166, 18.8052



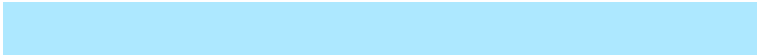
22.8520, 13.7152, 1.4429



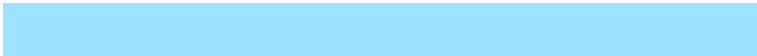
2.3126, 1.5105, 0.1697

Inverse Universe

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



64.1392, 73.8150, 105.4750



59.1696, 69.2355, 104.8530



54.1632, 53.8628, 102.1496



18.0988, 19.5693, 23.0733



18.4619, 21.8334, 52.6758



1.8900, 2.3108, 5.1597

Previews

White Background



This preview shows how the XYZ color 68.5228, 63.7570, 48.2300 looks on a white background.

Color Contrast Check

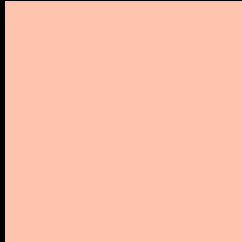
Large Text (above 18pt) WCAG AA × Fail

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 68.5228, 63.7570, 48.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

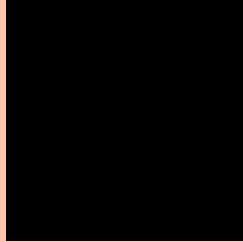
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5228, 63.7570, 48.2300

Background



This preview shows how black text looks on a background with the XYZ color 68.5228, 63.7570, 48.2300.



This preview shows how white text looks on a background with the XYZ color 68.5228, 63.7570,

48.2300.

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

68.5228, 63.7570, 48.2300

Protanopia

60.4523, 64.0712, 51.8286

Deuteranopia

65.2952, 63.8065, 47.9042



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

68.5228, 63.7570, 48.2300

Protanomaly

63.1330, 63.6837, 50.5597

Deuteranomaly

66.2276, 63.5996, 47.8151

Tritanomaly

70.2694, 63.7386, 59.6381

Monochromacy



Original Color

68.5228, 63.7570, 48.2300

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.8279, 64.5047, 61.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5228, 63.7570, 48.2300 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, 196, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 173)  
}
```

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, 196, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 173) }
```

Border

The CSS property to change the border of an element to XYZ 68.5228, 63.7570, 48.2300 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, 196, 173) }
```


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

```
.border{ border-color:rgb(255, 196, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5228, 63.7570, 48.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 173) }
```

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

```
.background{ background-color: rgb(255,  
196, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor