

Converting Colors

XYZ(82.3640, 72.1169, 46.7639)

Have a look what the booklet for
XYZ(82.3640, 72.1169, 46.7639)
contains.

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Color

**XYZ(68.7313, 64.9340,
45.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7A8
RGB	255, 199, 168
RGB Percent	100%, 78%, 66%
CMY	0.0000, 0.2196, 0.3412
CMYK	0.00, 0.22, 0.34, 0.00
HSL	21°, 100%, 83%
HSV	21°, 34%, 100%
XYZ	68.7313, 64.9340, 45.9568
YIQ	212.2100, 43.3270, 2.2310

Conversions

Conversions Part 2

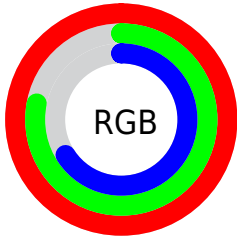
Format	Color
R _Y B	255, 216, 168
Decimal	16762792
CIE Lab	84.45, 15.82, 23.17
CIE LCh	84, 28.050, 55.677
Yxy	64.9340, 0.3826, 0.3615
Android (android.graphics.Color)	4294952872 (0xFFFFC7A8)
YUV	212.2100, -21.7955, 37.5268
Hunter-Lab	80.5816, 11.2319, 22.5933

Details

The XYZ color **68.7313, 64.9340, 45.9568** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.8532, 68.8538, 104.6905**, and the grayscale version is **62.8407, 66.1133, 71.9973**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **36.3037, 33.3821, 21.0530** is the 20% darker color. If you saturate the color by 10%, you get **63.0102, 56.9279, 33.4563**, and if you desaturate by 10%, it is **75.3289, 73.9471, 61.0490**.

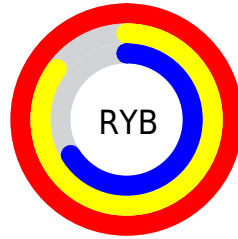
Distribution



Red (100%)

Green (78%)

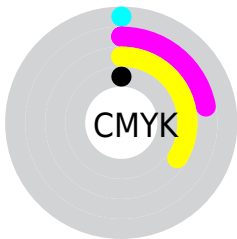
Blue (66%)



Red (100%)

Yellow (85%)

Blue (66%)

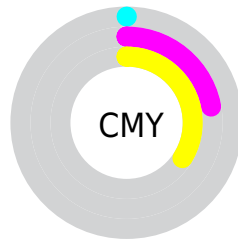


Cyan (0%)

Magenta (22%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7313, 64.9340, 45.9568 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 68.7313, 64.9340, 45.9568 by changing the saturation by 10% instead.


 68.7313, 64.9340,
45.9568

 68.7313, 64.9340,
45.9568


445.4189,
442.5548, 386.9075

 50.7688, 47.4076,
31.8633


 116.4339,
111.9550, 85.4879

 36.2449, 33.3580,
20.9932

 146.9046,
142.2183, 111.7627

 24.7944, 22.4008,
12.9278


182.2755,
177.4960, 142.9349

 16.0518, 14.1517,
7.2487

222.9118,
218.1726, 179.4232

 9.6519, 8.2263,
3.5373

269.1790,
264.6323, 221.6460

 5.2293, 4.2401,
1.3751

321.4423,

 2.4185, 1.8087,

317.2597, 270.0220

0.1222

380.0672,
376.4390, 324.9696

■ 0.8544, 0.4926,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7313, 64.9340,
45.9568

■ 68.7313, 64.9340,
45.9568

■ 63.0102, 56.9279,
33.4563

■ 75.3289, 73.9471,
61.0490

■ 58.1203, 49.8831,
23.3953

■ 82.8354, 83.9926,
78.8653

■ 54.0197, 43.7633,
15.6114

■ 91.2876, 95.1066,
99.5339

■ 50.6600, 38.5265,
9.9208

95.0500, 100.0000,
108.9000

■ 47.9865, 34.1265,
6.1104

■ 45.9347, 30.5115,
3.9203

■ 44.9706, 28.7213,
3.1735

Harmonies

Analogous

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



73.1717, 64.9340, 56.8372



68.7313, 64.9340, 45.9568



62.6264, 64.9340, 41.6815

Triad

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



68.7313, 64.9340, 45.9568



50.5130, 64.9340, 68.1442



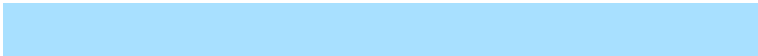
67.0625, 64.9340, 106.4014

Complementary

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



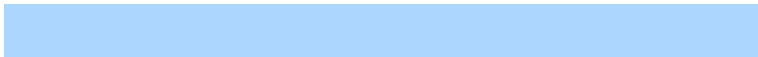
68.7313, 64.9340, 45.9568



60.8532, 68.8538, 104.6905

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.



60.8181, 64.9340, 110.7869



68.7313, 64.9340, 45.9568



51.5263, 64.9340, 86.6561

Square

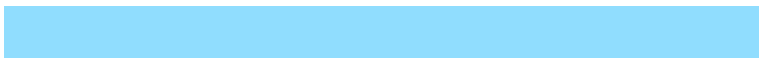
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7313, 64.9340, 45.9568



52.3321, 64.9340, 53.0472



55.1985, 64.9340, 103.0371



72.1636, 64.9340, 91.8947

Rectangle

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



68.7313, 64.9340, 45.9568



58.5330, 64.9340, 42.5168



55.1985, 64.9340, 103.0371



65.0161, 64.9340, 109.2024

Sweetspot

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



68.7330, 64.9370, 45.9581



86.1987, 88.4370, 87.0222



68.7723, 54.6776, 77.8423



18.2004, 18.6000, 18.0186



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.



68.7330, 64.9370, 45.9581



64.7026, 59.3191, 37.0841



80.0454, 87.5619, 49.7289



18.5391, 19.0463, 18.8435



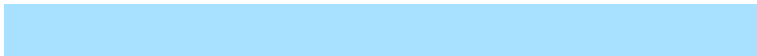
23.6255, 15.2622, 1.7007



2.3990, 1.6833, 0.1985

Inverse Universe

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



60.8532, 68.8538, 104.6905



55.7147, 63.7549, 103.9772



50.7332, 48.6137, 101.3172



17.9784, 19.3283, 23.0331



16.5258, 17.9613, 52.0305



1.7123, 1.9553, 5.1004

Previews

White Background



This preview shows how the XYZ color 68.7313, 64.9340, 45.9568 looks on a white background.

Color Contrast Check

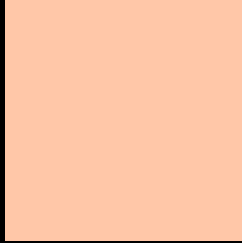
Large Text (above 18pt) WCAG AA × Fail

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 68.7313, 64.9340, 45.9568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

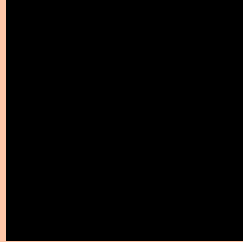
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7313, 64.9340, 45.9568

Background



This preview shows how black text looks on a background with the XYZ color 68.7313, 64.9340, 45.9568.



This preview shows how white text looks on a background with the XYZ color 68.7313, 64.9340,

45.9568.

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

68.7313, 64.9340, 45.9568

Protanopia

61.3657, 65.3325, 49.4205

Deuteranopia

66.3370, 65.0947, 45.6274



Tritanopia

72.1403, 64.8443, 68.3885

Trichromacy



Original Color

68.7313, 64.9340, 45.9568

Protanomaly

64.0202, 65.2664, 48.2532

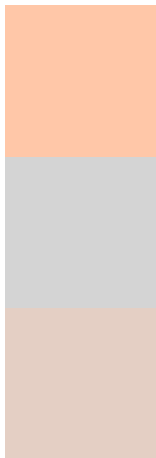
Deuteranomaly

67.1625, 65.1708, 45.5986

Tritanomaly

70.6056, 64.5901, 59.1979

Monochromacy



Original Color

68.7313, 64.9340, 45.9568

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.2715, 65.1051, 61.4036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7313, 64.9340, 45.9568 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, 199, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 168)  
}
```

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, 199, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 168) }
```

Border

The CSS property to change the border of an element to XYZ 68.7313, 64.9340, 45.9568 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, 199, 168) }
```


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

```
.border{ border-color:rgb(255, 199, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7313, 64.9340, 45.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 168) }
```

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

```
.background{ background-color: rgb(255,  
199, 168) }
```

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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