

Converting Colors

XYZ(90.4696, 75.5715, 48.1490)

Have a look what the booklet for
XYZ(90.4696, 75.5715, 48.1490)
contains.

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Color

**XYZ(68.5569, 64.1328,
47.2936)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC5AB
RGB	255, 197, 171
RGB Percent	100%, 77%, 67%
CMY	0.0000, 0.2274, 0.3294
CMYK	0.00, 0.23, 0.33, 0.00
HSL	19°, 100%, 84%
HSV	19°, 33%, 100%
XYZ	68.5569, 64.1328, 47.2936
YIQ	211.3780, 42.9140, 4.2100

Conversions

Conversions Part 2

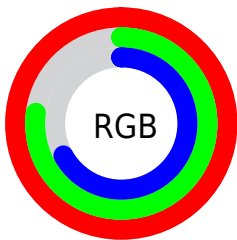
Format	Color
R _Y B	255, 209, 171
Decimal	16762283
CIE Lab	84.03, 17.22, 21.01
CIE LCh	84, 27.167, 50.654
Yxy	64.1328, 0.3809, 0.3563
Android (android.graphics.Color)	4294952363 (0xFFFFC5AB)
YUV	211.3780, -19.9064, 38.2565
Hunter-Lab	80.0830, 12.6640, 21.0439

Details

The XYZ color **68.5569, 64.1328, 47.2936** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.8628, 71.9139, 105.1753**, and the grayscale version is **62.2760, 65.5192, 71.3504**.

A 20% lighter version of the original color is **90.4093, 97.6346, 86.0318**, and **36.1782, 32.8471, 21.8861** is the 20% darker color. If you saturate the color by 10%, you get **62.5902, 55.7211, 34.4477**, and if you desaturate by 10%, it is **75.4628, 73.6719, 62.7672**.

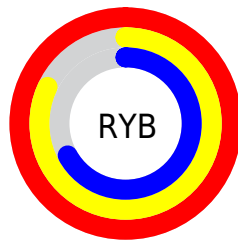
Distribution



Red (100%)

Green (77%)

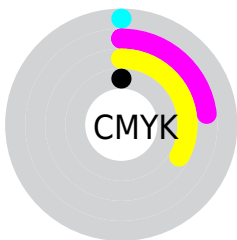
Blue (67%)



Red (100%)

Yellow (82%)

Blue (67%)

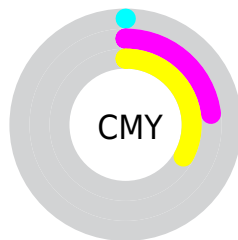


Cyan (0%)

Magenta (23%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5569, 64.1328, 47.2936 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 68.5569, 64.1328, 47.2936 by changing the saturation by 10% instead.


 68.5569, 64.1328,
47.2936

 68.5569, 64.1328,
47.2936


444.8125,
439.6690, 392.4129

 50.6263, 46.7582,
32.9118


 116.1860,
110.8022, 87.5063

 36.1311, 32.8446,
21.7883


146.6152,
140.8658, 114.1742

 24.7060, 22.0074,
13.5046


181.9413,
175.9278, 145.7747

 15.9857, 13.8623,
7.6421

222.5296,
216.3728, 182.7261

 9.6048, 8.0250,
3.7824

268.7455,
262.5850, 225.4471

 5.1980, 4.1109,
1.5067

320.9544,

 2.3998, 1.7358,

314.9488, 274.3562

0.2229

379.5216,
373.8487, 329.8720

■ 0.8450, 0.4467,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5569, 64.1328,
47.2936

■ 68.5569, 64.1328,
47.2936

■ 62.5902, 55.7211,
34.4477

■ 75.4628, 73.6719,
62.7672

■ 57.5146, 48.3848,
24.0777

■ 83.3429, 84.3698,
81.0007

■ 53.2850, 42.0813,
16.0222

■ 92.2366, 96.2677,
102.1222

■ 49.8501, 36.7614,
10.0988

95.0500, 100.0000,
108.9000

■ 47.1517, 32.3710,
6.0971

■ 45.1223, 28.8499,
3.7627

■ 44.0320, 26.8441,
2.8607

Harmonies

Analogous

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



72.3858, 64.1328, 58.8252



68.5569, 64.1328, 47.2936



62.8466, 64.1328, 42.0683

Triad

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



68.5569, 64.1328, 47.2936



50.2795, 64.1328, 64.6069



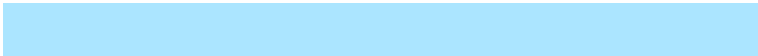
65.1114, 64.1328, 105.4814

Complementary

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



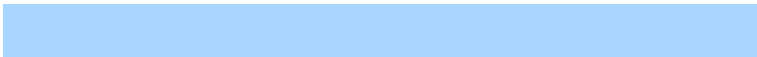
68.5569, 64.1328, 47.2936



62.8628, 71.9139, 105.1753

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.



59.1043, 64.1328, 107.7124



68.5569, 64.1328, 47.2936



50.7981, 64.1328, 82.1275

Square

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



68.5569, 64.1328, 47.2936



52.4731, 64.1328, 50.9287



53.9393, 64.1328, 98.5827



70.3078, 64.1328, 92.9092

Rectangle

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



68.5569, 64.1328, 47.2936



58.8509, 64.1328, 42.1617



53.9393, 64.1328, 98.5827



63.1114, 64.1328, 107.5379

Sweetspot

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



68.5586, 64.1358, 47.2949



85.8513, 87.7422, 86.9064



70.0581, 56.0884, 81.8497



18.1168, 18.4327, 17.9907



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.



68.5586, 64.1358, 47.2949



64.2506, 58.0816, 37.9615



79.2237, 85.4661, 50.8499



18.4680, 18.9043, 18.8199



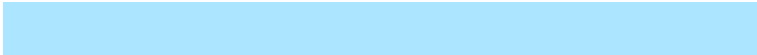
23.1235, 14.2583, 1.5334



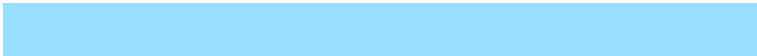
2.3437, 1.5727, 0.1800

Inverse Universe

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



62.8628, 71.9139, 105.1753



57.6874, 66.9934, 104.4983



52.7857, 51.7597, 101.8162



18.0526, 19.4767, 23.0579



17.6884, 20.2863, 52.4180



1.8195, 2.1697, 5.1362

Previews

White Background



This preview shows how the XYZ color 68.5569, 64.1328, 47.2936 looks on a white background.

Color Contrast Check

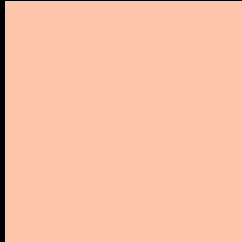
Large Text (above 18pt) WCAG AA × Fail

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 68.5569, 64.1328, 47.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

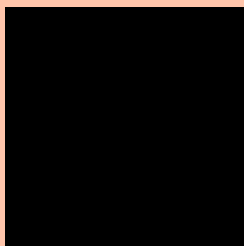
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5569, 64.1328, 47.2936

Background



This preview shows how black text looks on a background with the XYZ color 68.5569, 64.1328, 47.2936.



This preview shows how white text looks on a background with the XYZ color 68.5569, 64.1328,

47.2936.

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

68.5569, 64.1328, 47.2936

Protanopia

60.5551, 64.1474, 50.7851

Deuteranopia

65.6845, 64.3764, 46.9942



Tritanopia

71.7943, 64.3486, 67.6680

Trichromacy



Original Color

68.5569, 64.1328, 47.2936

Protanomaly

63.1735, 64.0814, 49.5968

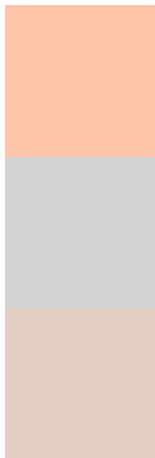
Deuteranomaly

66.6214, 64.1673, 46.9044

Tritanomaly

70.4927, 64.1853, 59.7126

Monochromacy



Original Color

68.5569, 64.1328, 47.2936

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.7137, 64.4590, 61.3083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5569, 64.1328, 47.2936 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, 197, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 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(255, 197, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 171) }
```

Border

The CSS property to change the border of an element to XYZ 68.5569, 64.1328, 47.2936 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, 197, 171) }
```


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

```
.border{ border-color:rgb(255, 197, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 197, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5569, 64.1328, 47.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 171) }
```

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

```
.background{ background-color: rgb(255,  
197, 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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