

Converting Colors

XYZ(69.8185, 66.6780, 47.6463)

Have a look what the booklet for
XYZ(69.8185, 66.6780, 47.6463)
contains.

XYZ(69.9466, 66.9121, 47.7568)	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(69.9466, 66.9121,
47.7568)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBAB
RGB	255, 203, 171
RGB Percent	100%, 80%, 67%
CMY	0.0000, 0.2039, 0.3294
CMYK	0.00, 0.20, 0.33, 0.00
HSL	23°, 100%, 84%
HSV	23°, 33%, 100%
XYZ	69.9466, 66.9121, 47.7568
YIQ	214.9000, 41.2640, 1.0720

Conversions

Conversions Part 2

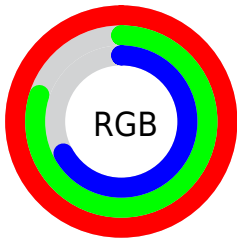
Format	Color
R _Y B	255, 223, 171
Decimal	16763819
CIE Lab	85.46, 14.09, 22.97
CIE LCh	85, 26.951, 58.473
Yxy	66.9121, 0.3789, 0.3624
Android (android.graphics.Color)	4294953899 (0xFFFFCBAB)
YUV	214.9000, -21.6427, 35.1677
Hunter-Lab	81.7998, 9.4847, 22.6449

Details

The XYZ color **69.9466, 66.9121, 47.7568** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.2314, 68.6510, 104.6315**, and the grayscale version is **64.6473, 68.0140, 74.0673**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **37.1032, 34.6971, 22.1944** is the 20% darker color. If you saturate the color by 10%, you get **64.2071, 58.9549, 34.9867**, and if you desaturate by 10%, it is **76.5379, 75.8222, 63.1256**.

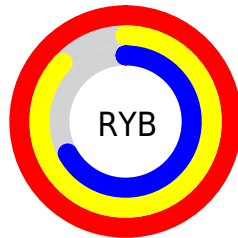
Distribution



Red (100%)

Green (80%)

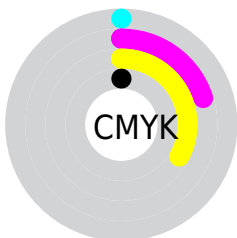
Blue (67%)



Red (100%)

Yellow (87%)

Blue (67%)

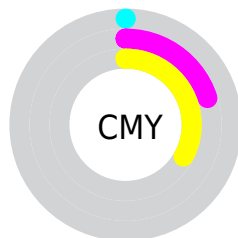


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9466, 66.9121, 47.7568 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 69.9466, 66.9121, 47.7568 by changing the saturation by 10% instead.


 69.9466, 66.9121,
47.7568

 69.9466, 66.9121,
47.7568

449.6318,
449.6318, 394.3082

 51.7624, 49.0132,
33.2757


 118.1593,
114.7945, 88.2040

 37.0393, 34.6299,
22.0649


148.9185,
145.5467, 115.0071

 25.4117, 23.3780,
13.7058


184.6002,
181.3522, 146.7547

 16.5144, 14.8728,
7.7799

225.5696,
222.5953, 183.8653

 9.9820, 8.7302,
3.8687

272.1921,
269.6604, 226.7574

 5.4492, 4.5656,
1.5536

324.8330,

 2.5506, 1.9947,

322.9319, 275.8496

0.2574

383.8578,
382.7943, 331.5603

■ 0.9209, 0.6044,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.9466, 66.9121,
47.7568

■ 69.9466, 66.9121,
47.7568

■ 64.2071, 58.9549,
34.9867

■ 76.5379, 75.8222,
63.1256

■ 59.2761, 51.9077,
24.6648

■ 84.0117, 85.7073,
81.2237

■ 55.1135, 45.7382,
16.6316

■ 92.4032, 96.6007,
102.1777

■ 51.6733, 40.4079,
10.7065

95.0500, 100.0000,
108.9000

■ 48.9037, 35.8749,
6.6811

■ 46.7436, 32.0926,
4.3032

■ 45.5294, 29.8388,
3.3598

Harmonies

Analogous

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



74.5039, 66.9121, 57.9524



69.9466, 66.9121, 47.7568



63.9119, 66.9121, 44.1119

Triad

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



69.9466, 66.9121, 47.7568



52.5533, 66.9121, 71.9620



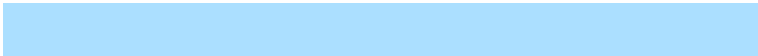
69.3698, 66.9121, 106.6471

Complementary

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



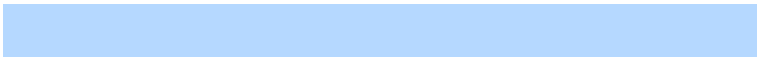
69.9466, 66.9121, 47.7568



61.2314, 68.6510, 104.6315

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.



63.2850, 66.9121, 111.9688



69.9466, 66.9121, 47.7568



53.8119, 66.9121, 90.1177

Square

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



69.9466, 66.9121, 47.7568



54.0927, 66.9121, 56.6279



57.6456, 66.9121, 105.4941



74.1561, 66.9121, 91.9211

Rectangle

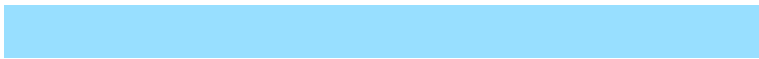
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9466, 66.9121, 47.7568



59.9447, 66.9121, 45.3566



57.6456, 66.9121, 105.4941



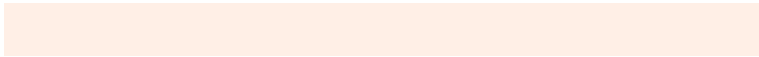
67.3967, 66.9121, 109.6898

Sweetspot

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



69.9483, 66.9152, 47.7582



86.3825, 88.8046, 87.0835



69.2850, 55.7792, 77.7785



18.2448, 18.6887, 18.0334



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.



69.9483, 66.9152, 47.7582



65.8095, 61.1993, 38.4811



80.8814, 88.7815, 51.4025



18.5766, 19.1214, 18.8560



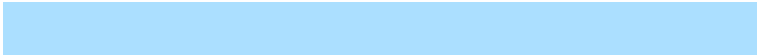
23.9227, 15.8567, 1.7998



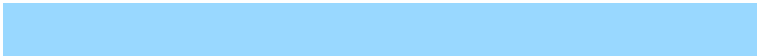
2.4308, 1.7469, 0.2091

Inverse Universe

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



61.2314, 68.6510, 104.6315



55.7777, 63.1740, 103.8617



51.6142, 49.4166, 101.4257



17.9395, 19.2506, 23.0202



15.9549, 16.8193, 51.8401



1.6590, 1.8488, 5.0827

Previews

White Background



This preview shows how the XYZ color 69.9466, 66.9121, 47.7568 looks on a white background.

Color Contrast Check

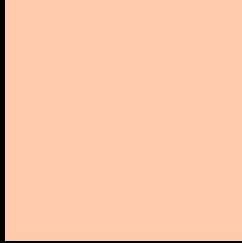
Large Text (above 18pt) WCAG AA × Fail

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 69.9466, 66.9121, 47.7568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

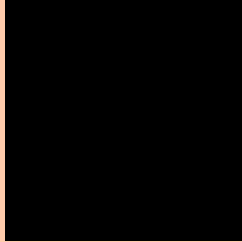
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9466, 66.9121, 47.7568

Background



This preview shows how black text looks on a background with the XYZ color 69.9466, 66.9121, 47.7568.



This preview shows how white text looks on a background with the XYZ color 69.9466, 66.9121,

47.7568.

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

69.9466, 66.9121, 47.7568

Protanopia

62.9948, 66.8918, 50.6655

Deuteranopia

68.2489, 66.7427, 47.8136



Tritanopia

73.6737, 66.9109, 71.9829

Trichromacy



Original Color

69.9466, 66.9121, 47.7568

Protanomaly

65.3655, 66.6614, 49.4662

Deuteranomaly

68.7272, 66.6352, 47.7676

Tritanomaly

72.0873, 66.6458, 62.4906

Monochromacy



Original Color

69.9466, 66.9121, 47.7568

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.2362, 67.5350, 63.5774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9466, 66.9121, 47.7568 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, 203, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 171) }
```

Border

The CSS property to change the border of an element to XYZ 69.9466, 66.9121, 47.7568 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, 203, 171) }
```


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

```
.border{ border-color:rgb(255, 203, 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, 203, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9466, 66.9121, 47.7568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 171) }
```

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

```
.background{ background-color: rgb(255,  
203, 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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