

Converting Colors

XYZ(73.9125, 70.0064, 47.5564)

Have a look what the booklet for
XYZ(73.9125, 70.0064, 47.5564)
contains.

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Color

**XYZ(70.5670, 68.3049,
47.4951)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEAA
RGB	255, 206, 170
RGB Percent	100%, 81%, 67%
CMY	0.0000, 0.1921, 0.3333
CMYK	0.00, 0.19, 0.33, 0.00
HSL	25°, 100%, 83%
HSV	25°, 33%, 100%
XYZ	70.5670, 68.3049, 47.4951
YIQ	216.5470, 40.7600, -0.8080

Conversions

Conversions Part 2

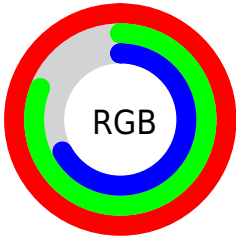
Format	Color
R _Y B	255, 232, 170
Decimal	16764586
CIE Lab	86.16, 12.41, 24.46
CIE LCh	86, 27.425, 63.095
Yxy	68.3049, 0.3786, 0.3665
Android (android.graphics.Color)	4294954666 (0xFFFFCEAA)
YUV	216.5470, -22.9477, 33.7233
Hunter-Lab	82.6468, 7.7783, 23.7802

Details

The XYZ color **70.5670, 68.3049, 47.4951** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.9582, 66.4268, 104.2693**, and the grayscale version is **65.7773, 69.2028, 75.3618**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **37.5242, 35.6348, 22.0400** is the 20% darker color. If you saturate the color by 10%, you get **65.0106, 60.6851, 34.8740**, and if you desaturate by 10%, it is **76.9258, 76.7800, 62.6933**.

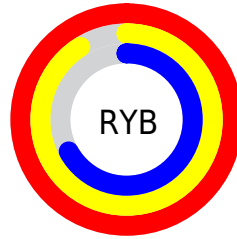
Distribution



Red (100%)

Green (81%)

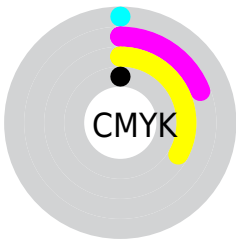
Blue (67%)



Red (100%)

Yellow (91%)

Blue (67%)

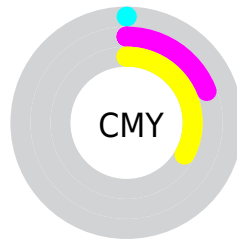


Cyan (0%)

Magenta (19%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5670, 68.3049, 47.4951 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 70.5670, 68.3049, 47.4951 by changing the saturation by 10% instead.


 70.5670, 68.3049,
47.4951

 70.5670, 68.3049,
47.4951


451.7738,
454.5755, 393.2381

 52.2702, 50.1458,
33.0701


 119.0388,
116.7882, 87.8099

 37.4456, 35.5293,
21.9086


149.9446,
147.8813, 114.5367

 25.7280, 24.0709,
13.5921


185.7840,
184.0544, 146.2013

 16.7518, 15.3862,
7.7020

226.9225,
225.6920, 183.2220

 10.1519, 9.0909,
3.8198

273.7253,
273.1786, 226.0175

 5.5628, 4.8005,
1.5270

326.5579,

 2.6192, 2.1307,

326.8984, 275.0064

0.2379

385.7856,
387.2359, 330.6071

■ 0.9558, 0.6818,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.5670, 68.3049,
47.4951

■ 70.5670, 68.3049,
47.4951

■ 65.0106, 60.6851,
34.8740

■ 76.9258, 76.7800,
62.6933

■ 60.2150, 53.8823,
24.6800

■ 84.1153, 86.1284,
80.5989

■ 56.1428, 47.8687,
16.7534

■ 92.1689, 96.3790,
101.3383

■ 52.7503, 42.6111,
10.9136

95.0500, 100.0000,
108.9000

■ 49.9882, 38.0732,
6.9521

■ 47.7980, 34.2141,
4.6151

■ 46.6043, 31.9886,
3.7181

Harmonies

Analogous

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



75.6235, 68.3049, 56.9703



70.5670, 68.3049, 47.4951



64.2690, 68.3049, 44.7969

Triad

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



70.5670, 68.3049, 47.4951



53.5469, 68.3049, 76.2639



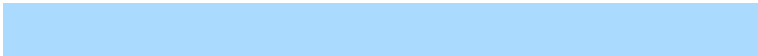
71.7730, 68.3049, 107.4380

Complementary

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



70.5670, 68.3049, 47.4951



59.9582, 66.4268, 104.2693

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.



65.5789, 68.3049, 114.7348



70.5670, 68.3049, 47.4951



55.2805, 68.3049, 94.9999

Square

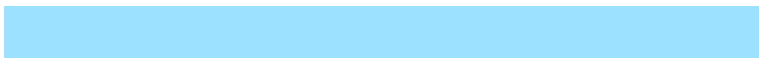
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5670, 68.3049, 47.4951



54.6942, 68.3049, 59.7337



59.5859, 68.3049, 109.8528



76.3509, 68.3049, 91.2264

Rectangle

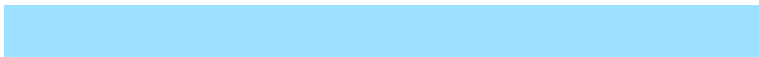
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.5670, 68.3049, 47.4951



60.2789, 68.3049, 46.7749



59.5859, 68.3049, 109.8528



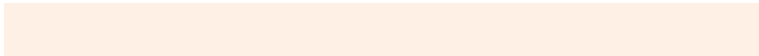
69.7971, 68.3049, 111.1237

Sweetspot

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



70.5687, 68.3081, 47.4965



86.7018, 89.4430, 87.1899



68.4783, 55.1554, 74.4585



18.3218, 18.8427, 18.0590



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.



70.5687, 68.3081, 47.4965



66.7763, 63.1330, 38.8034



82.0377, 91.2460, 51.3195



18.6418, 19.2518, 18.8778



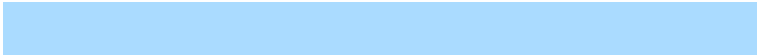
24.4921, 16.9955, 1.9896



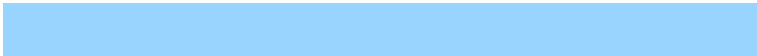
2.4902, 1.8657, 0.2289

Inverse Universe

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



59.9582, 66.4268, 104.2693



54.6788, 60.9761, 103.4954



50.3669, 47.2441, 101.0721



17.8726, 19.1167, 22.9979



15.0331, 14.9758, 51.5329



1.5720, 1.6747, 5.0537

Previews

White Background



This preview shows how the XYZ color 70.5670, 68.3049, 47.4951 looks on a white background.

Color Contrast Check

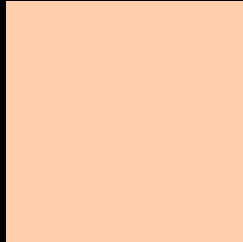
Large Text (above 18pt) WCAG AA × Fail

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 70.5670, 68.3049, 47.4951 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 70.5670, 68.3049, 47.4951

Background



This preview shows how black text looks on a background with the XYZ color 70.5670, 68.3049, 47.4951.



This preview shows how white text looks on a background with the XYZ color 70.5670, 68.3049,

47.4951.

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

70.5670, 68.3049, 47.4951

Protanopia

64.2535, 68.3149, 49.8440

Deuteranopia

69.7134, 68.2234, 47.5243



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

70.5670, 68.3049, 47.4951

Protanomaly

66.3462, 68.2812, 49.2179

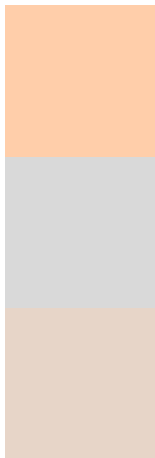
Deuteranomaly

70.0765, 68.4106, 47.5413

Tritanomaly

72.9047, 68.0954, 63.3341

Monochromacy



Original Color

70.5670, 68.3049, 47.4951

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.1746, 68.7476, 64.3727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5670, 68.3049, 47.4951 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, 206, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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, 206, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 170) }
```

Border

The CSS property to change the border of an element to XYZ 70.5670, 68.3049, 47.4951 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, 206, 170) }
```


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

```
.border{ border-color:rgb(255, 206, 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, 206, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5670, 68.3049, 47.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 170) }
```

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

```
.background{ background-color: rgb(255,  
206, 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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