

Converting Colors

XYZ(70.6282, 68.2981, 47.9135)

Have a look what the booklet for
XYZ(70.6282, 68.2981, 47.9135)
contains.

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Color

**XYZ(70.6620, 68.3429,
47.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEAB
RGB	255, 206, 171
RGB Percent	100%, 81%, 67%
CMY	0.0000, 0.1921, 0.3294
CMYK	0.00, 0.19, 0.33, 0.00
HSL	25°, 100%, 84%
HSV	25°, 33%, 100%
XYZ	70.6620, 68.3429, 47.9953
YIQ	216.6610, 40.4390, -0.4970

Conversions

Conversions Part 2

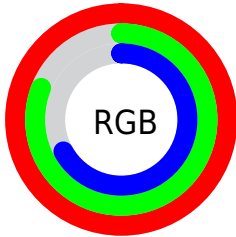
Format	Color
R _Y B	255, 231, 171
Decimal	16764587
CIE Lab	86.18, 12.53, 23.96
CIE LCh	86, 27.038, 62.388
Yxy	68.3429, 0.3779, 0.3655
Android (android.graphics.Color)	4294954667 (0xFFFFCEAB)
YUV	216.6610, -22.5109, 33.6233
Hunter-Lab	82.6698, 7.9008, 23.4470

Details

The XYZ color **70.6620, 68.3429, 47.9953** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.4369, 67.0621, 104.3666**, and the grayscale version is **65.8525, 69.2820, 75.4481**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **37.5840, 35.6587, 22.3547** is the 20% darker color. If you saturate the color by 10%, you get **65.0495, 60.6395, 35.2675**, and if you desaturate by 10%, it is **77.0858, 76.9179, 63.3083**.

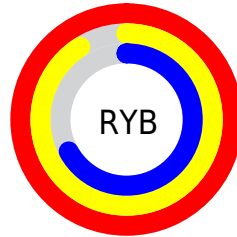
Distribution



Red (100%)

Green (81%)

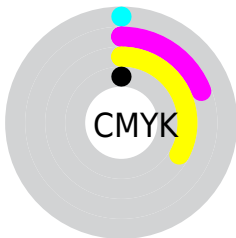
Blue (67%)



Red (100%)

Yellow (91%)

Blue (67%)

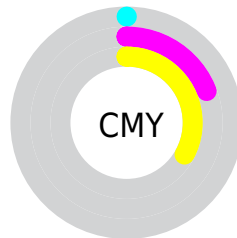


Cyan (0%)

Magenta (19%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6620, 68.3429, 47.9953 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 70.6620, 68.3429, 47.9953 by changing the saturation by 10% instead.


 70.6620, 68.3429,
47.9953

 70.6620, 68.3429,
47.9953


452.1012,
454.7100, 395.2817

 52.3480, 50.1768,
33.4632


 119.1735,
116.8426, 88.5629

 37.5079, 35.5539,
22.2075


150.1016,
147.9448, 115.4354

 25.7764, 24.0898,
13.8097


185.9651,
184.1280, 147.2586

 16.7883, 15.4003,
7.8512

227.1294,
225.7763, 184.4508

 10.1780, 9.1008,
3.9135

273.9598,
273.2743, 227.4307

 5.5803, 4.8070,
1.5780

326.8217,

 2.6298, 2.1345,

327.0063, 276.6168

0.2750

386.0804,
387.3567, 332.4276

■ 0.9612, 0.6839,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6620, 68.3429,
47.9953

■ 70.6620, 68.3429,
47.9953

■ 65.0495, 60.6395,
35.2675

■ 77.0858, 76.9179,
63.3083

■ 60.2066, 53.7687,
24.9750

■ 84.3495, 86.3829,
81.3364

■ 56.0955, 47.7022,
16.9590

■ 92.4867, 96.7677,
102.2057

■ 52.6724, 42.4060,
11.0395

95.0500, 100.0000,
108.9000

■ 49.8878, 37.8431,
7.0091

■ 47.6833, 33.9719,
4.6164

■ 46.4215, 31.6231,
3.6572

Harmonies

Analogous

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



75.5931, 68.3429, 57.5285



70.6620, 68.3429, 47.9953



64.4607, 68.3429, 45.1621

Triad

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



70.6620, 68.3429, 47.9953



53.7230, 68.3429, 75.8505



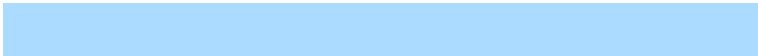
71.5792, 68.3429, 107.2582

Complementary

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



70.6620, 68.3429, 47.9953



60.4369, 67.0621, 104.3666

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.



65.4576, 68.3429, 114.1643



70.6620, 68.3429, 47.9953



55.3701, 68.3429, 94.3166

Square

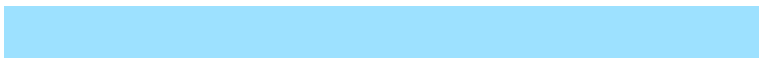
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6620, 68.3429, 47.9953



54.9232, 68.3429, 59.6366



59.5693, 68.3429, 109.0901



76.1459, 68.3429, 91.4503

Rectangle

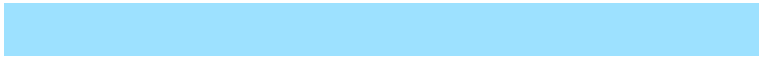
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6620, 68.3429, 47.9953



60.5070, 68.3429, 47.0168



59.5693, 68.3429, 109.0901



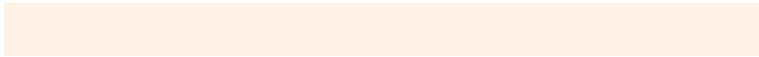
69.6219, 68.3429, 110.8022

Sweetspot

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



70.6637, 68.3461, 47.9967



86.6502, 89.3399, 87.1727



68.7216, 55.5538, 74.8116



18.3093, 18.8178, 18.0549



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.



70.6637, 68.3461, 47.9967



66.6186, 62.8175, 38.7508



82.1583, 91.3352, 51.8282



18.6313, 19.2308, 18.8743



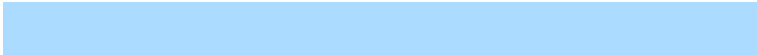
24.3955, 16.8023, 1.9574



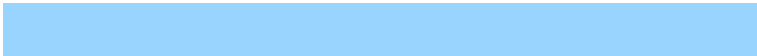
2.4802, 1.8458, 0.2255

Inverse Universe

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



60.4369, 67.0621, 104.3666



54.8539, 61.3263, 103.5538



50.7657, 47.7196, 101.1429



17.8833, 19.1382, 23.0014



15.1762, 15.2619, 51.5806



1.5856, 1.7019, 5.0582

Previews

White Background



This preview shows how the XYZ color 70.6620, 68.3429, 47.9953 looks on a white background.

Color Contrast Check

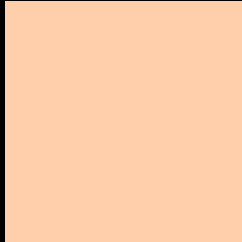
Large Text (above 18pt) WCAG AA × Fail

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 70.6620, 68.3429, 47.9953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

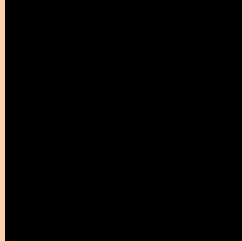
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6620, 68.3429, 47.9953

Background



This preview shows how black text looks on a background with the XYZ color 70.6620, 68.3429, 47.9953.



This preview shows how white text looks on a background with the XYZ color 70.6620, 68.3429,

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

70.6620, 68.3429, 47.9953

Protanopia

64.3514, 68.3540, 50.3594

Deuteranopia

69.8084, 68.2614, 48.0245



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

70.6620, 68.3429, 47.9953

Protanomaly

66.4434, 68.3201, 49.7296

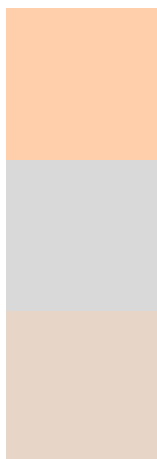
Deuteranomaly

70.1715, 68.4486, 48.0415

Tritanomaly

72.9047, 68.0954, 63.3341

Monochromacy



Original Color

70.6620, 68.3429, 47.9953

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 70.6620, 68.3429, 47.9953 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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, 206, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 171) }
```

Border

The CSS property to change the border of an element to XYZ 70.6620, 68.3429, 47.9953 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, 171) }
```


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

```
.border{ border-color:rgb(255, 206, 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, 206, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6620, 68.3429, 47.9953 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, 171) }
```

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

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