

Converting Colors

XYZ(68.4340, 69.9658, 51.7344)

Have a look what the booklet for
XYZ(68.4340, 69.9658, 51.7344)
contains.

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Color

**XYZ(68.6003, 70.1447,
51.5186)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D6B1
RGB	242, 214, 177
RGB Percent	95%, 84%, 69%
CMY	0.0510, 0.1608, 0.3059
CMYK	0.00, 0.12, 0.27, 0.05
HSL	34°, 71%, 82%
HSV	34°, 27%, 95%
XYZ	68.6003, 70.1447, 51.5186
YIQ	218.1540, 28.5650, -5.5710

Conversions

Conversions Part 2

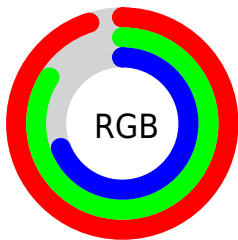
Format	Color
RYB	226, 242, 177
Decimal	15914673
CIELab	87.07, 4.25, 21.86
CIELCh	87, 22.265, 79.007
Yxy	70.1447, 0.3606, 0.3687
Android (android.graphics.Color)	4294104753 (0xFFFF2D6B1)
YUV	218.1540, -20.2889, 20.9129
Hunter-Lab	83.7524, -0.3602, 22.1557

Details

The XYZ color **68.6003, 70.1447, 51.5186** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.9893, 59.4188, 92.5226**, and the grayscale version is **66.8701, 70.3525, 76.6139**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.0438, 36.5658, 24.2270** is the 20% darker color. If you saturate the color by 10%, you get **63.8454, 64.1586, 39.0700**, and if you desaturate by 10%, it is **73.9555, 76.6459, 66.2791**.

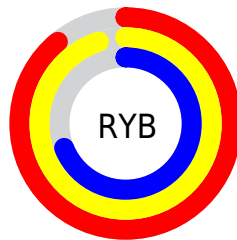
Distribution



Red (95%)

Green (84%)

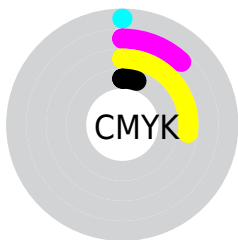
Blue (69%)



Red (89%)

Yellow (95%)

Blue (69%)

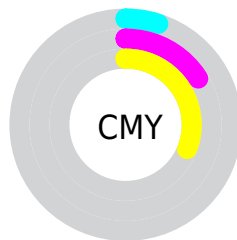


Cyan (0%)

Magenta (12%)

Yellow (27%)

Black (5%)



Cyan (5%)


Magenta (16%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6003, 70.1447, 51.5186 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 68.6003, 70.1447, 51.5186 by changing the saturation by 10% instead.


 68.6003, 70.1447,
51.5186

 68.6003, 70.1447,
51.5186


444.9634,
461.0579, 409.4792

 50.6617, 51.6445,
36.2419


 116.2477,
119.4151, 93.8402

 36.1594, 36.7218,
24.3299


146.6872,
150.9541, 121.7222

 24.7280, 24.9922,
15.3641


182.0245,
187.6081, 154.6431

 16.0022, 16.0712,
8.9258

222.6247,
229.7616, 193.0214

 9.6166, 9.5746,
4.5967

268.8534,
277.7989, 237.2756

 5.2058, 5.1178,
1.9581

321.0759,

 2.4045, 2.3165,

332.1045, 287.8243

0.5293

379.6574,
393.0627, 345.0860

■ 0.8473, 0.7824,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6003, 70.1447,
51.5186

■ 68.6003, 70.1447,
51.5186

■ 63.8454, 64.1586,
39.0700

■ 73.9555, 76.6459,
66.2791

■ 59.6596, 58.6627,
28.8090

■ 79.9294, 83.6671,
83.4585

■ 56.0167, 53.6439,
20.6058

■ 86.5464, 91.2253,
103.1622

■ 52.8861, 49.0847,
14.3154

■ 90.4280, 97.6173,
108.6837

■ 50.2333, 44.9657,
9.7732

■ 48.0184, 41.2653,
6.7866

■ 46.1915, 37.9576,
5.1103

■ 45.6740, 36.9893,
4.7324

Harmonies

Analogous

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



73.4644, 70.1447, 56.6920



68.6003, 70.1447, 51.5186



63.4589, 70.1447, 52.3213

Triad

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



68.6003, 70.1447, 51.5186



57.6350, 70.1447, 86.1118



74.5262, 70.1447, 96.7974

Complementary

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



68.6003, 70.1447, 51.5186



55.9893, 59.4188, 92.5226

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.



69.9886, 70.1447, 106.8607



68.6003, 70.1447, 51.5186



60.3088, 70.1447, 100.1576

Square

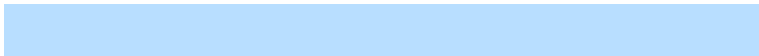
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6003, 70.1447, 51.5186



57.3066, 70.1447, 71.0309



64.7771, 70.1447, 108.1648



77.0025, 70.1447, 81.9820

Rectangle

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



68.6003, 70.1447, 51.5186



60.5582, 70.1447, 56.1690



64.7771, 70.1447, 108.1648



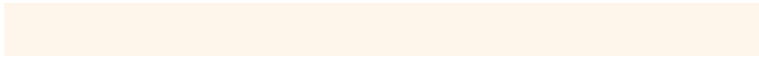
73.1807, 70.1447, 100.9262

Sweetspot

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



68.6021, 70.1479, 51.5201



89.1985, 93.2768, 91.5976



63.3802, 54.7381, 65.0889



18.8678, 19.7038, 18.9531



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.



68.6021, 70.1479, 51.5201



74.3770, 75.4033, 50.3726



74.8364, 84.7984, 54.0193



16.5198, 17.2527, 16.6091



24.6748, 20.1478, 2.5884



2.1513, 1.8733, 0.2482

Inverse Universe

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



55.9893, 59.4188, 92.5226



58.0610, 61.5275, 103.4236



50.8842, 47.7201, 90.5336



15.4571, 16.3484, 20.0625



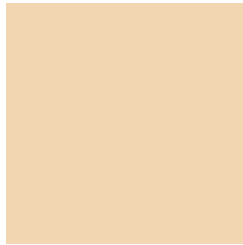
11.4112, 9.0467, 46.2726



1.0462, 0.9465, 3.8818

Previews

White Background



This preview shows how the XYZ color 68.6003, 70.1447, 51.5186 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 68.6003, 70.1447, 51.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

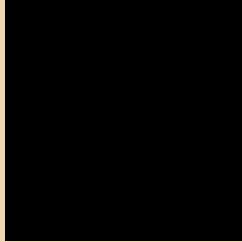
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6003, 70.1447, 51.5186

Background



This preview shows how black text looks on a background with the XYZ color 68.6003, 70.1447, 51.5186.

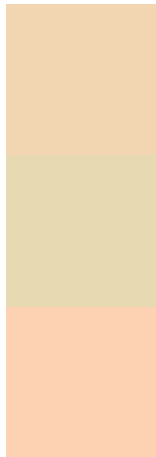


This preview shows how white text looks on a background with the XYZ color 68.6003, 70.1447,

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

68.6003, 70.1447, 51.5186

Protanopia

66.1631, 70.3864, 52.7466

Deuteranopia

71.5905, 70.1902, 51.8943



Tritanopia

74.4788, 69.9639, 80.0999

Trichromacy



Original Color

68.6003, 70.1447, 51.5186

Protanomaly

67.1097, 70.5022, 52.1907

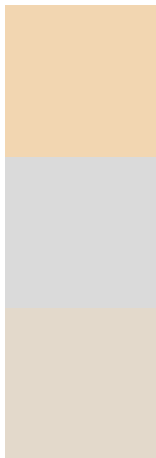
Deuteranomaly

70.3971, 69.9426, 51.9094

Tritanomaly

72.3151, 70.1910, 68.7683

Monochromacy



Original Color

68.6003, 70.1447, 51.5186

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.2709, 70.2684, 66.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6003, 70.1447, 51.5186 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(242, 214, 177)` looks like.

```
.text, #text, p{  
    color:rgb(242, 214, 177)  
}
```

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(242, 214, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 214, 177) }
```

Border

The CSS property to change the border of an element to XYZ 68.6003, 70.1447, 51.5186 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(242, 214, 177) }
```


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

```
.border{ border-color:rgb(242, 214, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 214, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 214, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 214, 177);  
box-shadow:4px 4px 4px 4px rgb(242, 214,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6003, 70.1447, 51.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 214, 177) }
```

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

```
.background{ background-color: rgb(242,  
214, 177) }
```

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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