

Converting Colors

XYZ(68.3705, 69.8616, 37.4955)

Have a look what the booklet for
XYZ(68.3705, 69.8616, 37.4955)
contains.

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Color

**XYZ(68.4851, 70.0191,
37.5092)**

Conversions

Conversions Part 1

Format	Color
Hex	FAD593
RGB	250, 213, 147
RGB Percent	98%, 84%, 58%
CMY	0.0196, 0.1647, 0.4235
CMYK	0.00, 0.15, 0.41, 0.02
HSL	38°, 91%, 78%
HSV	38°, 41%, 98%
XYZ	68.4851, 70.0191, 37.5092
YIQ	216.5390, 43.2380, -12.6820

Conversions

Conversions Part 2

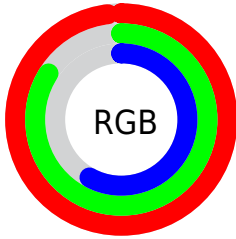
Format	Color
R _Y B	205, 250, 147
Decimal	16438675
CIE Lab	87.01, 4.26, 37.39
CIE LCh	87, 37.636, 83.501
Yxy	70.0191, 0.3891, 0.3978
Android (android.graphics.Color)	4294628755 (0xFFFAD593)
YUV	216.5390, -34.2827, 29.3453
Hunter-Lab	83.6774, -0.3436, 31.9969

Details

The XYZ color **68.4851, 70.0191, 37.5092** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.4279, 47.3845, 97.1416**, and the grayscale version is **65.8457, 69.2748, 75.4403**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **36.2019, 36.8290, 16.0271** is the 20% darker color. If you saturate the color by 10%, you get **64.5367, 64.9279, 27.5439**, and if you desaturate by 10%, it is **72.9884, 75.5376, 49.7641**.

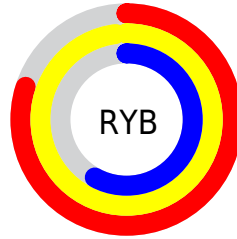
Distribution



Red (98%)

Green (84%)

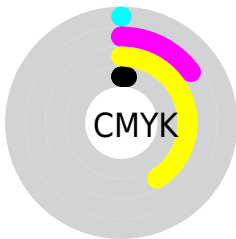
Blue (58%)



Red (80%)

Yellow (98%)

Blue (58%)

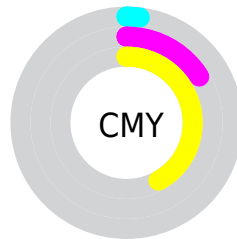


Cyan (0%)

Magenta (15%)

Yellow (41%)

Black (2%)



Cyan (2%)

Magenta (16%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4851, 70.0191, 37.5092 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 68.4851, 70.0191, 37.5092 by changing the saturation by 10% instead.


 68.4851, 70.0191,
37.5092

 68.4851, 70.0191,
37.5092


444.5627,
460.6171, 350.7447

 50.5676, 51.5421,
25.3031


 116.0839,
119.2360, 72.5503

 36.0842, 36.6402,
16.0820

 146.4960,
150.7447, 96.2224

 24.6697, 24.9291,
9.4272


181.8036,
187.3661, 124.5536

 15.9585, 16.0242,
4.9203

222.3722,
229.4845, 157.9624

 9.5855, 9.5413,
2.1426

268.5670,
277.4845, 196.8674

 5.1851, 5.0959,
0.6410

320.7534,

 2.3922, 2.3036,

331.7503, 241.6871

0.0000

379.2969,
392.6663, 292.8400

■ 0.8412, 0.7756,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4851, 70.0191,
37.5092

■ 68.4851, 70.0191,
37.5092

■ 64.5367, 64.9279,
27.5439

■ 72.9884, 75.5376,
49.7641

■ 61.1080, 60.2388,
19.7163

■ 78.0687, 81.4875,
64.4385

■ 58.1675, 55.9387,
13.8627

■ 83.7531, 87.8853,
81.6580

■ 55.6773, 52.0089,
9.7938

■ 90.0651, 94.7435,
101.5377

■ 53.5922, 48.4280,
7.2821

■ 93.2344, 99.0640,
108.8150

■ 52.0312, 45.5378,
6.0473

Harmonies

Analogous

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



77.1338, 70.0191, 43.5365



68.4851, 70.0191, 37.5092



60.0279, 70.0191, 39.8684

Triad

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



68.4851, 70.0191, 37.5092



52.2059, 70.0191, 97.2461



81.1039, 70.0191, 108.8559

Complementary

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



68.4851, 70.0191, 37.5092



46.4279, 47.3845, 97.1416

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.



73.5305, 70.0191, 129.8860



68.4851, 70.0191, 37.5092



56.9834, 70.0191, 122.2164

Square

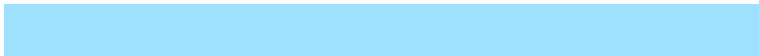
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4851, 70.0191, 37.5092



51.1121, 70.0191, 70.8833



64.6538, 70.0191, 135.2487



84.8225, 70.0191, 81.8577

Rectangle

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



68.4851, 70.0191, 37.5092



55.5676, 70.0191, 46.2084



64.6538, 70.0191, 135.2487



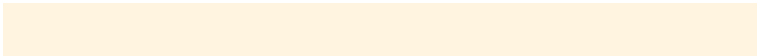
78.8941, 70.0191, 117.0783

Sweetspot

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



68.4868, 70.0224, 37.5106



87.1024, 91.3706, 83.8513



58.5909, 44.6851, 51.3076



18.4707, 19.3650, 17.4165



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.



68.4868, 70.0224, 37.5106



68.3493, 69.0265, 30.8577



74.1330, 88.3565, 40.7519



18.1724, 19.0806, 18.1875



27.7402, 24.4370, 3.2547



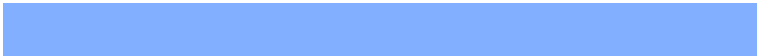
2.6695, 2.4639, 0.3349

Inverse Universe

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



46.4279, 47.3845, 97.1416



42.5796, 42.6017, 100.5865



42.3340, 35.3198, 95.0287



16.7932, 17.6633, 21.9096



11.2063, 7.7682, 48.8823



1.1343, 0.9122, 4.5595

Previews

White Background



This preview shows how the XYZ color 68.4851, 70.0191, 37.5092 looks on a white background.

Color Contrast Check

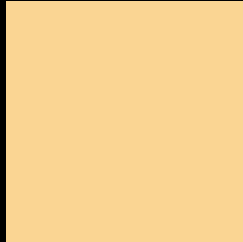
Large Text (above 18pt) WCAG AA × Fail

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 68.4851, 70.0191, 37.5092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

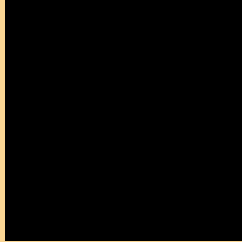
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4851, 70.0191, 37.5092

Background



This preview shows how black text looks on a background with the XYZ color 68.4851, 70.0191, 37.5092.



This preview shows how white text looks on a background with the XYZ color 68.4851, 70.0191,

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

68.4851, 70.0191, 37.5092

Protanopia

65.0883, 70.1456, 38.5427

Deuteranopia

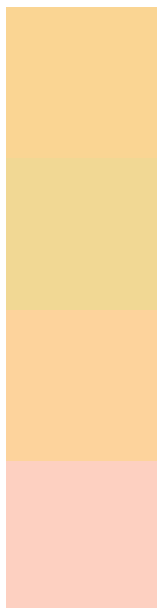
70.7196, 69.9264, 43.4880



Tritanopia

75.8575, 70.0371, 76.5382

Trichromacy



Original Color

68.4851, 70.0191, 37.5092

Protanomaly

66.1768, 69.9506, 38.0309

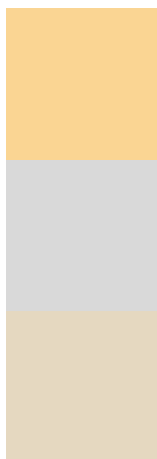
Deuteranomaly

69.8030, 69.8715, 41.2600

Tritanomaly

72.6895, 69.8447, 60.1023

Monochromacy



Original Color

68.4851, 70.0191, 37.5092

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.3834, 69.5755, 59.7998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4851, 70.0191, 37.5092 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(250, 213, 147)` looks like.

```
.text, #text, p{  
    color:rgb(250, 213, 147)  
}
```

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(250, 213, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 213, 147) }
```

Border

The CSS property to change the border of an element to XYZ 68.4851, 70.0191, 37.5092 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(250, 213, 147) }
```


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

```
.border{ border-color:rgb(250, 213, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 213, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 213, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 213, 147);  
box-shadow:4px 4px 4px 4px rgb(250, 213,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4851, 70.0191, 37.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 213, 147) }
```

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

```
.background{ background-color: rgb(250,  
213, 147) }
```

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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