

# Converting Colors

XYZ(74.9818, 70.5368, 37.3092)

Have a look what the booklet for  
XYZ(74.9818, 70.5368, 37.3092)  
contains.

<b>XYZ(68.3378, 67.0292, 36.9399)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(68.3378, 67.0292,  
36.9399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCD93
RGB	255, 205, 147
RGB Percent	100%, 80%, 58%
CMY	0.0000, 0.1961, 0.4235
CMYK	0.00, 0.20, 0.42, 0.00
HSL	32°, 100%, 79%
HSV	32°, 42%, 100%
XYZ	68.3378, 67.0292, 36.9399
YIQ	213.3380, 48.4180, -7.4380

# Conversions

## Conversions Part 2

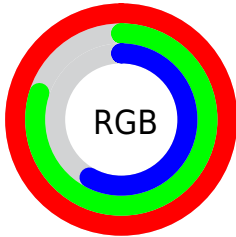
Format	Color
R <sub>Y</sub> B	240, 255, 147
Decimal	16764307
CIE Lab	85.52, 10.35, 35.54
CIE LCh	86, 37.019, 73.764
Yxy	67.0292, 0.3966, 0.3890
Android (android.graphics.Color)	4294954387 (0xFFFFCD93)
YUV	213.3380, -32.7046, 36.5376
Hunter-Lab	81.8714, 5.7186, 30.5586

# Details

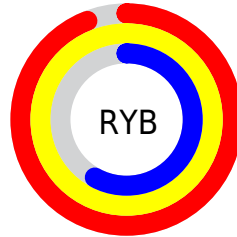
The XYZ color **68.3378, 67.0292, 36.9399** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.0482, 53.3537, 102.2682**, and the grayscale version is **63.6631, 66.9785, 72.9396**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **35.9429, 34.7135, 15.8723** is the 20% darker color. If you saturate the color by 10%, you get **63.8367, 60.8822, 26.6379**, and if you desaturate by 10%, it is **73.4988, 73.7861, 49.6513**.

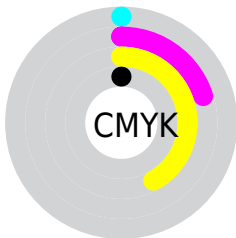
# Distribution



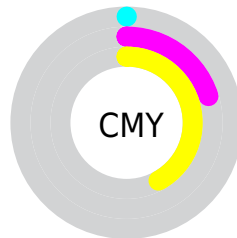
- Red (100%)
- Green (80%)
- Blue (58%)



- Red (94%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (20%)
- Yellow (42%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3378, 67.0292, 36.9399 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 68.3378, 67.0292, 36.9399 by changing the saturation by 10% instead.




 68.3378, 67.0292,  
36.9399


 68.3378, 67.0292,  
36.9399


444.0499,  
450.0487, 348.2111

 50.4473, 49.1084,  
24.8655


 115.8745,  
114.9623, 71.6656

 35.9882, 34.7054,  
15.7588


 146.2514,  
145.7432, 95.1541

 24.5951, 23.4361,  
9.2011


181.5212,  
181.5798, 123.2843

 15.9028, 14.9158,  
4.7740

222.0491,  
222.8562, 156.4749

 9.5458, 8.7603,  
2.0589

268.2006,  
269.9569, 195.1443

 5.1588, 4.5852,  
0.5911

320.3410,

 2.3765, 2.0060,

323.2663, 239.7111

0.0000

378.8356,  
383.1687, 290.5939

■ 0.8334, 0.6110,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.3378, 67.0292,  
36.9399

■ 68.3378, 67.0292,  
36.9399

■ 63.8367, 60.8822,  
26.6379

■ 73.4988, 73.7861,  
49.6513

■ 59.9563, 55.3144,  
18.5835

■ 79.3461, 81.1631,  
64.9113

■ 56.6601, 50.3059,  
12.6015

■ 85.9107, 89.1821,  
82.8533

■ 53.9047, 45.8314,  
8.4881

■ 93.2198, 97.8609,  
103.6000

■ 51.6385, 41.8620, 95.0500, 100.0000,  
5.9973 108.9000

■ 50.1796, 39.1393,  
4.9099

# Harmonies

## Analogous

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



76.1145, 67.0292, 45.4102



68.3378, 67.0292, 36.9399



59.9391, 67.0292, 36.6125

# Triad

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



68.3378, 67.0292, 36.9399



49.2594, 67.0292, 84.5649



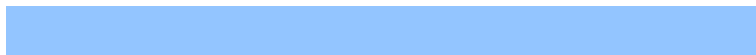
75.5606, 67.0292, 111.7946

# Complementary

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



68.3378, 67.0292, 36.9399



50.0482, 53.3537, 102.2682

# 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.



67.6343, 67.0292, 127.8333



68.3378, 67.0292, 36.9399



52.7308, 67.0292, 109.9282

# Square

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



68.3378, 67.0292, 36.9399



49.4117, 67.0292, 60.7867



59.2945, 67.0292, 127.0836



80.5288, 67.0292, 86.7113



# Rectangle

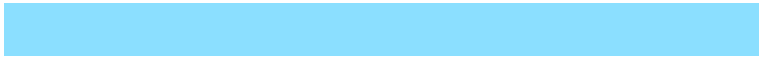
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3378, 67.0292, 36.9399



55.1387, 67.0292, 40.8585



59.2945, 67.0292, 127.0836



73.1249, 67.0292, 118.6458

# Sweetspot

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



68.3395, 67.0324, 36.9412



85.4632, 88.6428, 81.6073



61.7981, 46.1777, 58.7206



17.9713, 18.5844, 16.5775



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.



68.3395, 67.0324, 36.9412



64.4084, 61.6793, 27.8959



80.9545, 94.2102, 41.5222



18.8175, 19.6031, 18.9363



26.3711, 20.7533, 2.6159

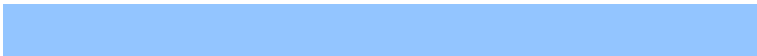


2.6770, 2.2394, 0.2912



# Inverse Universe

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



50.0482, 53.3537, 102.2682



43.8808, 46.3376, 101.2390



41.1728, 34.6293, 99.1218



17.6960, 18.7636, 22.9390



12.9651, 10.8397, 50.8435



1.3703, 1.2713, 4.9864



# Previews

## White Background



This preview shows how the XYZ color 68.3378, 67.0292, 36.9399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

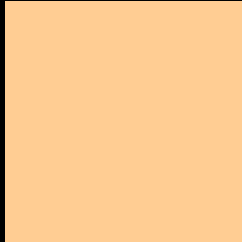
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3378, 67.0292, 36.9399 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 68.3378, 67.0292, 36.9399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3378, 67.0292, 36.9399.



This preview shows how white text looks on a background with the XYZ color 68.3378, 67.0292,



# 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

68.3378, 67.0292, 36.9399

### Protanopia

62.5875, 67.3164, 38.9728

### Deuteranopia

68.4166, 67.0608, 37.3550



## Tritanopia

73.5471, 66.8603, 71.3163

# Trichromacy



## Original Color

68.3378, 67.0292, 36.9399

## Protanomaly

64.7345, 67.3158, 38.4355

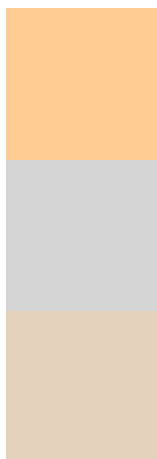
## Deuteranomaly

68.4166, 67.0608, 37.3550

## Tritanomaly

71.2037, 66.6641, 56.6916

# Monochromacy



## Original Color

68.3378, 67.0292, 36.9399

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.2268, 66.2613, 57.5487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3378, 67.0292, 36.9399 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, 205, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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(255, 205, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3378, 67.0292, 36.9399 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, 205, 147) }
```



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

```
.border{ border-color:rgb(255, 205, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3378, 67.0292, 36.9399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 147) }
```

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

```
.background{ background-color: rgb(255,  
205, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor