

# Converting Colors

XYZ(67.0846, 68.8909, 35.3527)

Have a look what the booklet for  
XYZ(67.0846, 68.8909, 35.3527)  
contains.

<b>XYZ(67.1374, 68.9964, 35.3703)</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(67.1374, 68.9964,  
35.3703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8D48E
RGB	248, 212, 142
RGB Percent	97%, 83%, 56%
CMY	0.0275, 0.1686, 0.4431
CMYK	0.00, 0.15, 0.43, 0.03
HSL	40°, 88%, 76%
HSV	40°, 43%, 97%
XYZ	67.1374, 68.9964, 35.3703
YIQ	214.7840, 43.9260, -14.1380

# Conversions

## Conversions Part 2

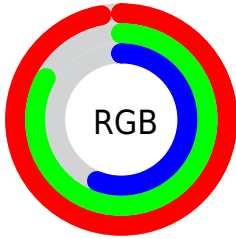
Format	Color
R <sub>YB</sub>	197, 248, 142
Decimal	16307342
CIE Lab	86.50, 3.47, 39.24
CIE LCh	87, 39.396, 84.943
Yxy	68.9964, 0.3915, 0.4023
Android (android.graphics.Color)	4294497422 (0xFFFF8D48E)
YUV	214.7840, -35.8825, 29.1304
Hunter-Lab	83.0641, -1.0876, 32.8980

# Details

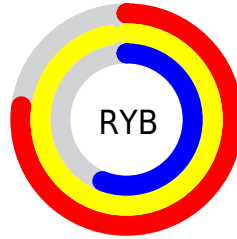
The XYZ color **67.1374, 68.9964, 35.3703** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.0186, 44.3674, 95.0507**, and the grayscale version is **64.6609, 68.0283, 74.0828**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **35.3504, 36.1562, 15.0132** is the 20% darker color. If you saturate the color by 10%, you get **63.4285, 64.2343, 25.9474**, and if you desaturate by 10%, it is **71.3738, 74.1503, 47.0141**.

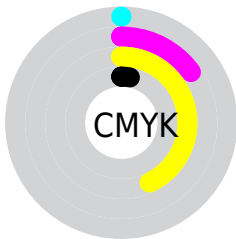
# Distribution



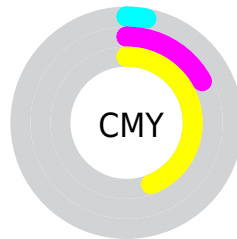
- Red (97%)
- Green (83%)
- Blue (56%)



- Red (77%)
- Yellow (97%)
- Blue (56%)



- Cyan (0%)
- Magenta (15%)
- Yellow (43%)
- Black (3%)




- Cyan (3%)
- Magenta (17%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1374, 68.9964, 35.3703 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 67.1374, 68.9964, 35.3703 by changing the saturation by 10% instead.




 67.1374, 68.9964,  
35.3703

 67.1374, 68.9964,  
35.3703


439.8585,  
457.0183, 341.1536

 49.4674, 50.7088,  
23.6624


 114.1660,  
117.7764, 69.2171

 35.2065, 35.9769,  
14.8735


 144.2553,  
149.0376, 92.1931

 23.9892, 24.4164,  
8.5850


179.2150,  
185.3922, 119.7622

 15.4503, 15.6428,  
4.3784

219.4106,  
227.2244, 152.3430

 9.2244, 9.2717,  
1.8352

265.2074,  
274.9187, 190.3540

 4.9461, 4.9188,  
0.4510

316.9708,

 2.2501, 2.1997,

328.8595, 234.2137

0.0000

375.0660,  
389.4313, 284.3407

■ 0.7690, 0.7198,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.1374, 68.9964,  
35.3703

■ 67.1374, 68.9964,  
35.3703

■ 63.4285, 64.2343,  
25.9474

■ 71.3738, 74.1503,  
47.0141

■ 60.2126, 59.8398,  
18.5943

■ 76.1593, 79.6997,  
61.0079

■ 57.4584, 55.8004,  
13.1476

■ 81.5207, 85.6602,  
77.4762

■ 55.1281, 52.0981,  
9.4169

■ 87.4809, 92.0435,  
96.5330

■ 53.1765, 48.7120,  
7.1720

■ 92.2391, 98.1318,  
108.6876

■ 51.9487, 46.4311,  
6.2241

■ 92.5214, 98.6965,  
108.7817

# Harmonies

## Analogous

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



76.1801, 68.9964, 41.0473



67.1374, 68.9964, 35.3703



58.4556, 68.9964, 38.1583

# Triad

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



67.1374, 68.9964, 35.3703



50.9241, 68.9964, 98.3672



81.0128, 68.9964, 107.8355

# Complementary

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



67.1374, 68.9964, 35.3703



44.0186, 44.3674, 95.0507

# 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.



73.2588, 68.9964, 130.5080



67.1374, 68.9964, 35.3703



56.0101, 68.9964, 124.2127

# Square

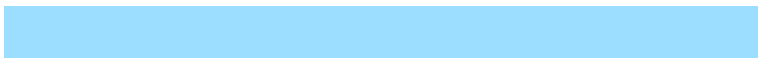
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1374, 68.9964, 35.3703



49.6108, 68.9964, 70.7836



64.0449, 68.9964, 137.1056



84.6514, 68.9964, 79.6411



# Rectangle

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



67.1374, 68.9964, 35.3703



53.9510, 68.9964, 44.8805



64.0449, 68.9964, 137.1056



78.7682, 68.9964, 116.5919

# Sweetspot

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



67.1391, 68.9996, 35.3717



86.6782, 91.0728, 82.0123



56.5317, 42.5619, 47.9373



18.2717, 19.1853, 16.6776



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.



67.1391, 68.9996, 35.3717



68.1927, 69.2479, 29.1573



71.7613, 86.2605, 38.4598



18.2020, 19.1399, 18.1974



28.1979, 25.3525, 3.4073



2.7098, 2.5444, 0.3483



# Inverse Universe

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



44.0186, 44.3674, 95.0507



40.7088, 39.9935, 100.1817



40.6979, 33.3831, 93.1055



16.7648, 17.6064, 21.9001



10.9905, 7.3366, 48.8104



1.1119, 0.8674, 4.5520



# Previews

## White Background



This preview shows how the XYZ color 67.1374, 68.9964, 35.3703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

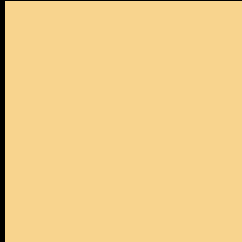
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.1374, 68.9964, 35.3703 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 67.1374, 68.9964, 35.3703**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.1374, 68.9964, 35.3703.



This preview shows how white text looks on a background with the XYZ color 67.1374, 68.9964,



# 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

67.1374, 68.9964, 35.3703

### Protanopia

64.1078, 69.3015, 36.3832

### Deuteranopia

69.7123, 68.7383, 40.6039



## Tritanopia

75.2508, 69.0338, 75.6884

# Trichromacy



## Original Color

67.1374, 68.9964, 35.3703

## Protanomaly

65.1935, 69.1093, 35.8900

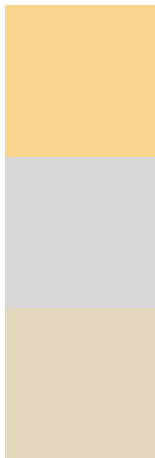
## Deuteranomaly

68.4504, 68.4984, 38.4679

## Tritanomaly

71.5105, 68.5558, 58.1788

# Monochromacy



## Original Color

67.1374, 68.9964, 35.3703

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.8022, 68.0549, 57.2974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1374, 68.9964, 35.3703 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(248, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(248, 212, 142)  
}
```

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(248, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 212, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1374, 68.9964, 35.3703 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(248, 212, 142) }
```



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

```
.border{ border-color:rgb(248, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(248, 212,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1374, 68.9964, 35.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 212, 142) }
```

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

```
.background{ background-color: rgb(248,  
212, 142) }
```

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