

# Converting Colors

XYZ(125.1291, 98.3265,  
36.3818)

Have a look what the booklet for  
XYZ(125.1291, 98.3265, 36.3818)  
contains.

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# Color

**XYZ(68.8740, 69.1882,  
33.7694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD28A
RGB	255, 210, 138
RGB Percent	100%, 82%, 54%
CMY	0.0000, 0.1764, 0.4588
CMYK	0.00, 0.18, 0.46, 0.00
HSL	37°, 100%, 77%
HSV	37°, 46%, 100%
XYZ	68.8740, 69.1882, 33.7694
YIQ	215.2470, 49.9320, -12.8520

# Conversions

## Conversions Part 2

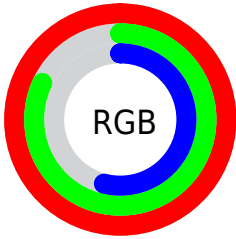
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 255, 138
Decimal	16765578
CIE <sub>Lab</sub>	86.60, 6.87, 41.51
CIE <sub>LCh</sub>	87, 42.077, 80.603
Yxy	69.1882, 0.4008, 0.4027
Android (android.graphics.Color)	4294955658 (0xFFFFD28A)
YUV	215.2470, -38.0828, 34.8634
Hunter-Lab	83.1794, 2.2370, 34.1549

# Details

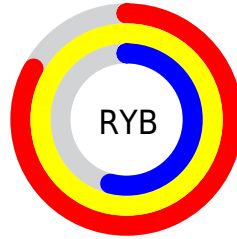
The XYZ color **68.8740, 69.1882, 33.7694** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.4640, 46.4884, 101.1843**, and the grayscale version is **64.9866, 68.3709, 74.4559**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **36.3737, 36.2008, 14.0872** is the 20% darker color. If you saturate the color by 10%, you get **64.8932, 63.8424, 24.3789**, and if you desaturate by 10%, it is **73.4400, 75.0106, 45.4946**.

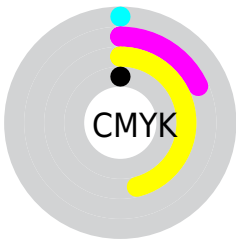
# Distribution



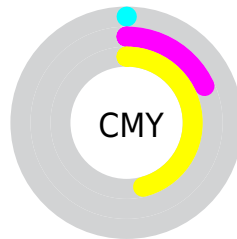
- Red (100%)
- Green (82%)
- Blue (54%)



- Red (83%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (18%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8740, 69.1882, 33.7694 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 68.8740, 69.1882, 33.7694 by changing the saturation by 10% instead.





 68.8740, 69.1882,  
33.7694

 68.8740, 69.1882,  
33.7694


445.9148,  
457.6945, 333.8403


 50.8854, 50.8650,  
22.4406


 116.6366,  
118.0503, 66.7047

 36.3381, 36.1012,  
13.9796

 147.1414,  
149.3581, 89.1483

 24.8667, 24.5123,  
7.9679

 182.5488,  
185.7628, 116.1338

 16.1060, 15.7141,  
3.9869

223.2244,  
227.6488, 148.0799

 9.6905, 9.3221,  
1.6182

269.5334,  
275.4006, 185.4050

 5.2549, 4.9519,  
0.3037

321.8413,

 2.4339, 2.2190,

329.4026, 228.5278

0.0000

380.5133,  
390.0390, 277.8667

■ 0.8620, 0.7303,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.8740, 69.1882,  
33.7694

■ 68.8740, 69.1882,  
33.7694

■ 64.8932, 63.8424,  
24.3789

■ 73.4400, 75.0106,  
45.4946

■ 61.4592, 58.9459,  
17.1558

■ 78.6164, 81.3162,  
59.6974

■ 58.5359, 54.4826,  
11.9172

■ 84.4330, 88.1232,  
76.5145

■ 56.0800, 50.4306,  
8.4476

■ 90.9158, 95.4462,  
96.0709

■ 54.0379, 46.7640, 95.0498, 99.9999,  
6.4800 108.9000

■ 53.2860, 45.3523,  
5.9454

# Harmonies

## Analogous

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



78.4092, 69.1882, 40.9592



68.8740, 69.1882, 33.7694



59.3746, 69.1882, 35.3859

# Triad

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



68.8740, 69.1882, 33.7694



49.7091, 69.1882, 95.8794



81.3598, 69.1882, 114.8652

# Complementary

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



68.8740, 69.1882, 33.7694



45.4640, 46.4884, 101.1843

# 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.



72.5904, 69.1882, 137.6911



68.8740, 69.1882, 33.7694



54.5524, 69.1882, 124.9821

# Square

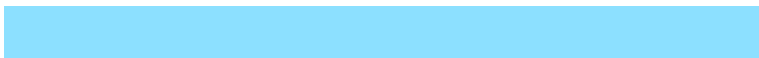
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8740, 69.1882, 33.7694



48.9260, 69.1882, 66.8932



62.7438, 69.1882, 141.7928



86.0735, 69.1882, 84.4569



# Rectangle

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



68.8740, 69.1882, 33.7694



54.2856, 69.1882, 41.4457



62.7438, 69.1882, 141.7928



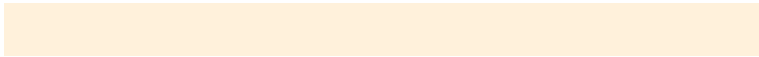
78.7500, 69.1882, 123.9654

# Sweetspot

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



68.8757, 69.1915, 33.7708



85.6013, 89.4615, 79.9812



59.0646, 42.9319, 50.9626



18.0359, 18.8204, 16.2701



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.



68.8757, 69.1915, 33.7708



65.2220, 64.2957, 25.1171



77.4132, 92.4628, 37.8126



18.9402, 19.8487, 18.9772



27.9922, 23.9957, 3.1563



2.8314, 2.5481, 0.3426



# Inverse Universe

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



45.4640, 46.4884, 101.1843



39.2168, 39.1067, 100.0892



39.6616, 31.8534, 98.6652



17.5757, 18.5230, 22.8989



11.8502, 8.6100, 50.4719



1.2557, 1.0421, 4.9482



# Previews

## White Background



This preview shows how the XYZ color 68.8740, 69.1882, 33.7694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

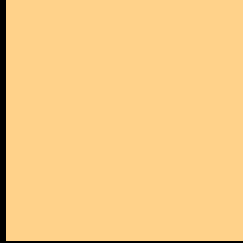
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8740, 69.1882, 33.7694 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 68.8740, 69.1882, 33.7694

## Background



This preview shows how black text looks on a background with the XYZ color 68.8740, 69.1882, 33.7694.



This preview shows how white text looks on a background with the XYZ color 68.8740, 69.1882,

33.7694.

# 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

68.8740, 69.1882, 33.7694

### Protanopia

64.2126, 69.3817, 35.2069

### Deuteranopia

69.8732, 69.1940, 40.2449



## Tritanopia

74.9906, 68.9297, 74.3181

# Trichromacy



## Original Color

68.8740, 69.1882, 33.7694

## Protanomaly

65.7423, 69.0413, 34.6722

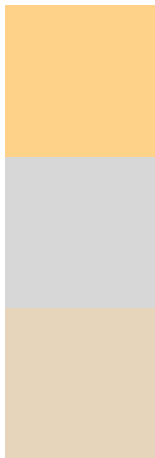
## Deuteranomaly

69.3858, 68.9990, 37.6781

## Tritanomaly

72.3884, 69.0335, 57.0865

# Monochromacy



## Original Color

68.8740, 69.1882, 33.7694

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.3970, 67.9994, 56.6921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8740, 69.1882, 33.7694 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, 210, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 138)  
}
```

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, 210, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8740, 69.1882, 33.7694 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, 210, 138) }
```



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

```
.border{ border-color:rgb(255, 210, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8740, 69.1882, 33.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 138) }
```

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

```
.background{ background-color: rgb(255,  
210, 138) }
```

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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