

# Converting Colors

XYZ(68.7716, 69.3622, 32.5668)

Have a look what the booklet for  
XYZ(68.7716, 69.3622, 32.5668)  
contains.

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# **Color**

**XYZ(68.9074, 69.5978,  
32.7236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD387
RGB	255, 211, 135
RGB Percent	100%, 83%, 53%
CMY	0.0000, 0.1725, 0.4706
CMYK	0.00, 0.17, 0.47, 0.00
HSL	38°, 100%, 76%
HSV	38°, 47%, 100%
XYZ	68.9074, 69.5978, 32.7236
YIQ	215.4920, 50.6200, -14.3080

# Conversions

## Conversions Part 2

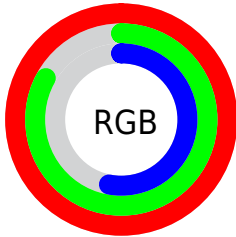
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 135
Decimal	16765831
CIE <sub>Lab</sub>	86.80, 6.07, 43.27
CIE <sub>LCh</sub>	87, 43.697, 82.013
Yxy	69.5978, 0.4024, 0.4065
Android (android.graphics.Color)	4294955911 (0xFFFFD387)
YUV	215.4920, -39.6826, 34.6485
Hunter-Lab	83.4253, 1.4427, 35.1412

# Details

The XYZ color **68.9074, 69.5978, 32.7236** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.1611, 44.6094, 100.8903**, and the grayscale version is **65.1633, 68.5569, 74.6584**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **36.4222, 36.4898, 13.5111** is the 20% darker color. If you saturate the color by 10%, you get **65.0676, 64.4556, 23.6220**, and if you desaturate by 10%, it is **73.3156, 75.1887, 44.1373**.

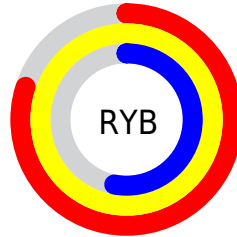
# Distribution



Red (100%)

Green (83%)

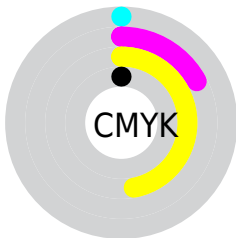
Blue (53%)



Red (80%)

Yellow (100%)

Blue (53%)

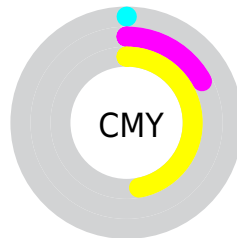


Cyan (0%)

Magenta (17%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9074, 69.5978, 32.7236 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 68.9074, 69.5978, 32.7236 by changing the saturation by 10% instead.





 68.9074, 69.5978,  
32.7236

 68.9074, 69.5978,  
32.7236


446.0308,  
459.1365, 328.9962


 50.9127, 51.1987,  
21.6454


 116.6841,  
118.6350, 65.0548

 36.3599, 36.3668,  
13.4008


 147.1968,  
150.0419, 87.1449

 24.8837, 24.7176,  
7.5711


 182.6128,  
186.5536, 113.7427

 16.1187, 15.8668,  
3.7380

223.2976,  
228.5543, 145.2667

 9.6995, 9.4299,  
1.4827

269.6164,  
276.4286, 182.1355

 5.2609, 5.0227,  
0.2050

321.9346,

 2.4375, 2.2606,

330.5608, 224.7677

0.0000

380.6176,  
391.3353, 273.5817

■ 0.8638, 0.7527,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.9074, 69.5978,  
32.7236

■ 68.9074, 69.5978,  
32.7236

■ 65.0676, 64.4556,  
23.6220

■ 73.3156, 75.1887,  
44.1373

■ 61.7578, 59.7353,  
16.6631

■ 78.3175, 81.2342,  
58.0076

■ 58.9418, 55.4213,  
11.6611

■ 83.9427, 87.7522,  
74.4723

■ 56.5756, 51.4921,  
8.3961

■ 90.2172, 94.7564,  
93.6573

■ 54.6036, 47.9216,  
6.5873

95.0498, 99.9999,  
108.9000

■ 54.0745, 46.9292,  
6.2082

# Harmonies

## Analogous

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



78.9420, 69.5978, 39.6329



68.9074, 69.5978, 32.7236



59.0830, 69.5978, 34.7894

# Triad

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



68.9074, 69.5978, 32.7236



49.6149, 69.5978, 98.7894



82.8052, 69.5978, 115.7770

# Complementary

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



68.9074, 69.5978, 32.7236



44.1611, 44.6094, 100.8903

# 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.



73.7605, 69.5978, 140.5253



68.9074, 69.5978, 32.7236



54.8215, 69.5978, 129.0950

# Square

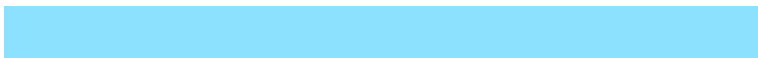
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9074, 69.5978, 32.7236



48.6009, 69.5978, 68.2559



63.4684, 69.5978, 145.9401



87.4859, 69.5978, 83.8380



# Rectangle

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



68.9074, 69.5978, 32.7236



53.8975, 69.5978, 41.2986



63.4684, 69.5978, 145.9401



80.1329, 69.5978, 125.5184

# Sweetspot

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



68.9091, 69.6011, 32.7250



85.7916, 89.8421, 80.0446



58.0410, 41.8432, 47.6660



18.0824, 18.9133, 16.2856



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.



68.9091, 69.6011, 32.7250



65.4485, 64.9798, 24.4805



75.7298, 91.6198, 36.6155



18.9685, 19.9053, 18.9867



28.4025, 24.8163, 3.2931



2.8697, 2.6248, 0.3554

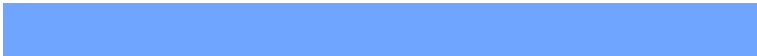


# Inverse Universe

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



44.1611, 44.6094, 100.8903



38.1322, 37.4271, 99.8221



39.4771, 31.1281, 98.5350



17.5483, 18.4682, 22.8898



11.6289, 8.1674, 50.3981



1.2321, 0.9950, 4.9404



# Previews

## White Background



This preview shows how the XYZ color 68.9074, 69.5978, 32.7236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

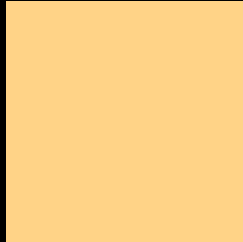
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9074, 69.5978, 32.7236 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 68.9074, 69.5978, 32.7236**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.9074, 69.5978, 32.7236.



This preview shows how white text looks on a background with the XYZ color 68.9074, 69.5978,



# 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

68.9074, 69.5978, 32.7236

### Protanopia

64.5839, 69.9823, 34.1488

### Deuteranopia

70.2030, 69.7197, 40.7675



## Tritanopia

75.3573, 69.4555, 75.0801

# Trichromacy



## Original Color

68.9074, 69.5978, 32.7236

## Protanomaly

66.1240, 69.6401, 33.6237

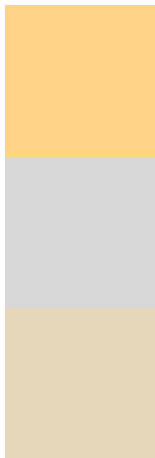
## Deuteranomaly

69.6319, 69.4913, 37.7601

## Tritanomaly

72.5225, 69.4735, 56.6011

# Monochromacy



## Original Color

68.9074, 69.5978, 32.7236

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.5426, 68.4613, 56.2143

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9074, 69.5978, 32.7236 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, 211, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 135)  
}
```

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, 211, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9074, 69.5978, 32.7236 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, 211, 135) }
```



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

```
.border{ border-color:rgb(255, 211, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9074, 69.5978, 32.7236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 135) }
```

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

```
.background{ background-color: rgb(255,  
211, 135) }
```

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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