

# Converting Colors

XYZ(72.7213, 66.1128, 28.1255)

Have a look what the booklet for  
XYZ(72.7213, 66.1128, 28.1255)  
contains.

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# Color

**XYZ(64.3932, 61.7454,  
27.5930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC37C
RGB	255, 195, 124
RGB Percent	100%, 76%, 49%
CMY	0.0000, 0.2353, 0.5137
CMYK	0.00, 0.24, 0.51, 0.00
HSL	33°, 100%, 74%
HSV	33°, 51%, 100%
XYZ	64.3932, 61.7454, 27.5930
YIQ	204.8460, 58.5510, -9.3610

# Conversions

## Conversions Part 2

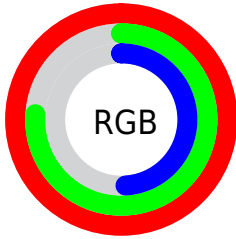
Format	Color
RYB	235, 255, 124
Decimal	16761724
CIELab	82.78, 13.37, 43.74
CIELCh	83, 45.742, 72.999
Yxy	61.7454, 0.4189, 0.4016
Android (android.graphics.Color)	4294951804 (0xFFFFC37C)
YUV	204.8460, -39.8571, 43.9851
Hunter-Lab	78.5782, 8.7650, 34.1849

# Details

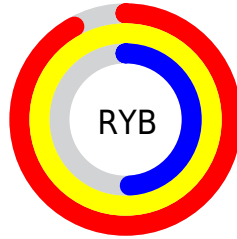
The XYZ color **64.3932, 61.7454, 27.5930** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.5020, 45.7843, 101.1519**, and the grayscale version is **58.1511, 61.1794, 66.6244**.

A 20% lighter version of the original color is **84.0863, 94.0952, 55.8498**, and **33.2332, 31.1329, 10.5610** is the 20% darker color. If you saturate the color by 10%, you get **60.4696, 56.1539, 19.3317**, and if you desaturate by 10%, it is **68.9414, 67.9190, 38.1206**.

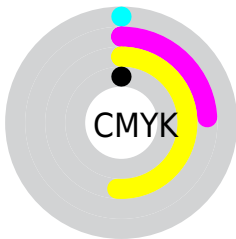
# Distribution



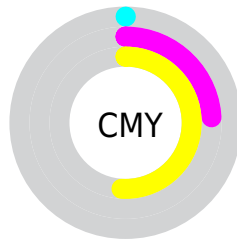
- Red (100%)
- Green (76%)
- Blue (49%)



- Red (92%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (24%)
- Yellow (51%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3932, 61.7454, 27.5930 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 64.3932, 61.7454, 27.5930 by changing the saturation by 10% instead.



64.3932, 61.7454,  
27.5930

64.3932, 61.7454,  
27.5930

430.1879,  
431.0018, 304.3675

47.2321, 44.8270,  
17.7827

110.2476,  
107.3575, 56.8492

33.4279, 31.3212,  
10.6263

139.6716,  
136.8200, 77.1323

22.6152, 20.8435,  
5.7051

173.9139,  
171.2326, 101.7433

14.4288, 13.0097,  
2.6008

213.3399,  
210.9798, 131.1009

8.5032, 7.4352,  
0.8928

258.3150,  
256.4459, 165.6236

4.4731, 3.7357,  
0.0000

309.2044,

1.9731, 1.5269,

308.0153, 205.7299

0.0000

366.3736,  
366.0725, 251.8383

0.6188, 0.3075,  
0.0000

0.0000, 0.0000,  
0.0000

64.3932, 61.7454,  
27.5930

64.3932, 61.7454,  
27.5930

60.4696, 56.1539,  
19.3317

68.9414, 67.9190,  
38.1206

57.1286, 51.1130,  
13.1585

74.1436, 74.6865,  
51.0668

54.3291, 46.6011,  
8.8742

80.0323, 82.0703,  
66.5748

52.0207, 42.5899,  
6.2381

86.6364, 90.0885,  
84.7757

■ 50.3595, 39.4992,  
4.9699

■ 93.9828, 98.7588,  
105.7913

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



73.6363, 61.7454, 36.6402



64.3932, 61.7454, 27.5930



54.5345, 61.7454, 27.0558

# Triad

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



64.3932, 61.7454, 27.5930



42.1189, 61.7454, 80.1661



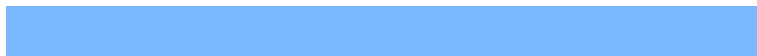
72.5551, 61.7454, 115.1411

# Complementary

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



64.3932, 61.7454, 27.5930



43.5020, 45.7843, 101.1519

# 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.



63.0454, 61.7454, 135.0314



64.3932, 61.7454, 27.5930



45.9119, 61.7454, 111.3543

# Square

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



64.3932, 61.7454, 27.5930



42.3935, 61.7454, 52.6026



53.3286, 61.7454, 133.4788



78.6975, 61.7454, 84.3456



# Rectangle

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



64.3932, 61.7454, 27.5930



48.9766, 61.7454, 31.2636



53.3286, 61.7454, 133.4788



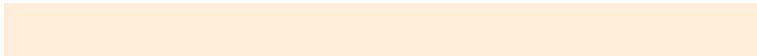
69.6032, 61.7454, 123.6647

# Sweetspot

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



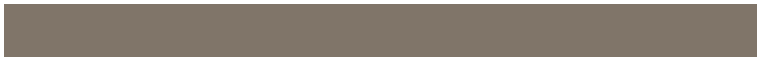
64.3947, 61.7484, 27.5942



84.1560, 87.1050, 77.8527



57.2190, 39.1843, 50.5209



17.7139, 18.2813, 15.8387



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.



64.3947, 61.7484, 27.5942



60.2430, 55.8212, 18.8842



79.0497, 93.4162, 32.9343



18.8252, 19.6185, 18.9389



26.4652, 20.9417, 2.6473

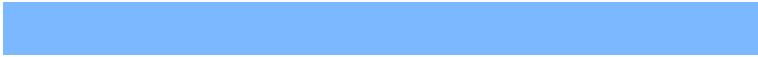


2.6861, 2.2576, 0.2942

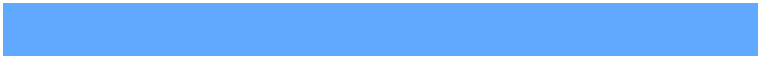


# Inverse Universe

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



43.5020, 45.7843, 101.1519



37.2140, 38.2456, 100.0285



34.2156, 26.2537, 97.8716



17.6884, 18.7484, 22.9365



12.8874, 10.6845, 50.8176



1.3625, 1.2557, 4.9838



# Previews

## White Background



This preview shows how the XYZ color 64.3932, 61.7454, 27.5930 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 64.3932, 61.7454, 27.5930 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 64.3932, 61.7454, 27.5930

## Background



This preview shows how black text looks on a background with the XYZ color 64.3932, 61.7454, 27.5930.



This preview shows how white text looks on a background with the XYZ color 64.3932, 61.7454,



# 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

64.3932, 61.7454, 27.5930

### Protanopia

57.0189, 61.7087, 29.3278

### Deuteranopia

63.0287, 61.7117, 27.6584



## Tritanopia

69.9802, 61.8722, 63.5125

# Trichromacy



## Original Color

64.3932, 61.7454, 27.5930

## Protanomaly

59.5434, 61.6062, 28.8316

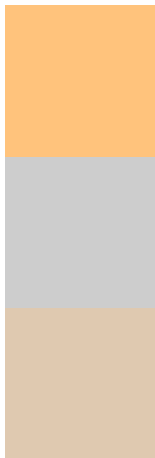
## Deuteranomaly

63.5229, 61.6305, 27.6166

## Tritanomaly

67.4136, 61.5387, 47.8602

# Monochromacy



## Original Color

64.3932, 61.7454, 27.5930

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

59.1545, 60.5959, 49.6527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3932, 61.7454, 27.5930 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, 195, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 124)  
}
```

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, 195, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3932, 61.7454, 27.5930 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, 195, 124) }
```



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

```
.border{ border-color:rgb(255, 195, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3932, 61.7454, 27.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 124) }
```

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

```
.background{ background-color: rgb(255,  
195, 124) }
```

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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