

# Converting Colors

XYZ(64.2231, 61.7487, 31.3045)

Have a look what the booklet for  
XYZ(64.2231, 61.7487, 31.3045)  
contains.

<b>XYZ(64.2580, 61.9246, 31.4875)</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(64.2580, 61.9246,  
31.4875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCC487
RGB	252, 196, 135
RGB Percent	99%, 77%, 53%
CMY	0.0118, 0.2313, 0.4706
CMYK	0.00, 0.22, 0.46, 0.01
HSL	31°, 95%, 76%
HSV	31°, 46%, 99%
XYZ	64.2580, 61.9246, 31.4875
YIQ	205.7900, 52.9570, -7.0990

# Conversions

## Conversions Part 2

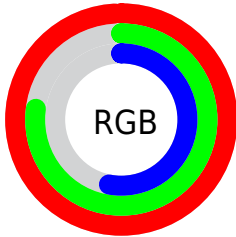
Format	Color
R <sub>Y</sub> B	242, 252, 135
Decimal	16565383
CIE Lab	82.87, 12.66, 38.21
CIE LCh	83, 40.254, 71.676
Yxy	61.9246, 0.4075, 0.3927
Android (android.graphics.Color)	4294755463 (0xFFFC487)
YUV	205.7900, -34.8995, 40.5262
Hunter-Lab	78.6922, 8.0472, 31.3605

# Details

The XYZ color **64.2580, 61.9246, 31.4875** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.1923, 49.4387, 99.2033**, and the grayscale version is **58.7257, 61.7840, 67.2828**.

A 20% lighter version of the original color is **85.5506, 95.1847, 62.0076**, and **33.2656, 31.3236, 12.6803** is the 20% darker color. If you saturate the color by 10%, you get **60.0778, 56.0756, 22.3526**, and if you desaturate by 10%, it is **69.0798, 68.3849, 42.9091**.

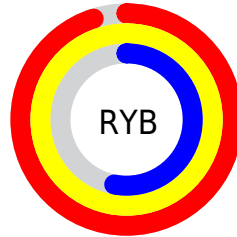
# Distribution



Red (99%)

Green (77%)

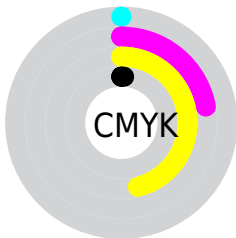
Blue (53%)



Red (95%)

Yellow (99%)

Blue (53%)

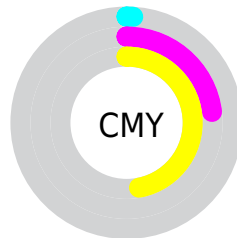


Cyan (0%)

Magenta (22%)

Yellow (46%)

Black (1%)



Cyan (1%)

Magenta (23%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2580, 61.9246, 31.4875 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 64.2580, 61.9246, 31.4875 by changing the saturation by 10% instead.





 64.2580, 61.9246,  
31.4875

 64.2580, 61.9246,  
31.4875


429.7082,  
431.6560, 323.1985


 47.1221, 44.9718,  
20.7088


 110.0541,  
107.6165, 63.0953

 33.3406, 31.4352,  
12.7221

 139.4450,  
137.1245, 84.7615

 22.5480, 20.9305,  
7.1090


 173.6516,  
171.5862, 110.8939

 14.3789, 13.0732,  
3.4509

213.0394,  
211.3862, 141.9111

 8.4681, 7.4790,  
1.3292

257.9735,  
256.9087, 178.2316

 4.4502, 3.7634,  
0.0856

308.8195,

 1.9599, 1.5421,

308.5383, 220.2740

0.0000

365.9426,  
366.6592, 268.4568

0.6113, 0.3181,  
0.0000

0.0000, 0.0000,  
0.0000

64.2580, 61.9246,  
31.4875

64.2580, 61.9246,  
31.4875

60.0778, 56.0756,  
22.3526

69.0798, 68.3849,  
42.9091

56.4996, 50.8067,  
15.3405

74.5708, 75.4684,  
56.7582

53.4853, 46.0966,  
10.2711

80.7622, 83.1974,  
73.1687

50.9896, 41.9184,  
6.9323

87.6816, 91.5905,  
92.2634

■ 48.9568, 38.2406,  
5.0594

93.9548, 99.4354,  
108.8487

■ 48.3145, 37.0349,  
4.6020

# Harmonies

## Analogous

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



72.2139, 61.9246, 40.3915



64.2580, 61.9246, 31.4875



55.5463, 61.9246, 30.6325

# Triad

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



64.2580, 61.9246, 31.4875



43.9889, 61.9246, 77.5613



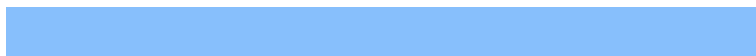
70.6580, 61.9246, 109.7632

# Complementary

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



64.2580, 61.9246, 31.4875



46.1923, 49.4387, 99.2033

# 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.



62.2977, 61.9246, 125.8518



64.2580, 61.9246, 31.4875



47.2587, 61.9246, 104.4324

# Square

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



64.2580, 61.9246, 31.4875



44.4024, 61.9246, 53.4962



53.7683, 61.9246, 123.6912



76.1518, 61.9246, 83.5841



# Rectangle

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



64.2580, 61.9246, 31.4875



50.5268, 61.9246, 34.3981



53.7683, 61.9246, 123.6912



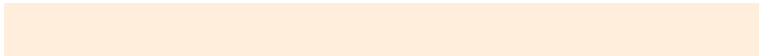
68.0569, 61.9246, 116.7899

# Sweetspot

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



64.2595, 61.9276, 31.4887



84.6154, 87.4896, 79.6526



58.2737, 41.8098, 54.6074



17.7955, 18.3396, 16.1900



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.



64.2595, 61.9276, 31.4887



61.8737, 57.8302, 23.2889



78.6258, 91.7032, 36.4788



17.9935, 18.7228, 18.1279



25.3163, 19.5893, 2.4468

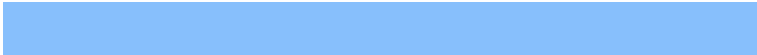


2.4509, 2.0267, 0.2620

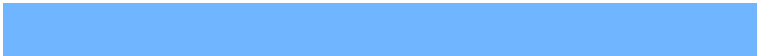


# Inverse Universe

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



46.1923, 49.4387, 99.2033



41.1884, 43.5395, 100.8408



36.5435, 29.6710, 95.8963



16.9684, 18.0136, 21.9679



12.8350, 11.0256, 49.4252



1.2942, 1.2321, 4.6128



# Previews

## White Background



This preview shows how the XYZ color 64.2580, 61.9246, 31.4875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

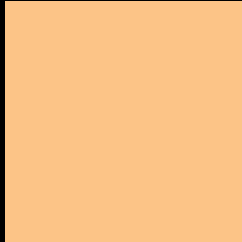
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2580, 61.9246, 31.4875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

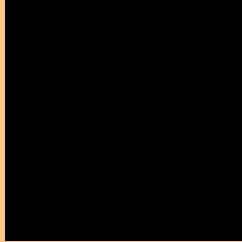
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.2580, 61.9246, 31.4875

## Background



This preview shows how black text looks on a background with the XYZ color 64.2580, 61.9246, 31.4875.



This preview shows how white text looks on a background with the XYZ color 64.2580, 61.9246,



# 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

64.2580, 61.9246, 31.4875

### Protanopia

57.7135, 62.3370, 33.4165

### Deuteranopia

63.2787, 62.0939, 31.5718



## Tritanopia

70.0983, 61.9195, 64.1342

# Trichromacy



## Original Color

64.2580, 61.9246, 31.4875

## Protanomaly

59.8751, 62.0393, 32.8638

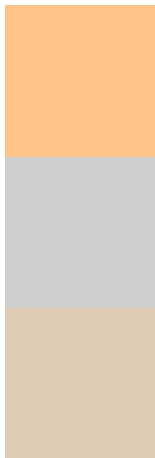
## Deuteranomaly

63.4063, 61.8215, 31.5125

## Tritanomaly

67.7586, 61.9845, 50.5124

# Monochromacy



## Original Color

64.2580, 61.9246, 31.4875

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

59.7902, 61.2243, 51.8462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2580, 61.9246, 31.4875 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(252, 196, 135)` looks like.

```
.text, #text, p{  
    color:rgb(252, 196, 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(252, 196, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 196, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2580, 61.9246, 31.4875 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(252, 196, 135) }
```



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

```
.border{ border-color:rgb(252, 196, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 196, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 196, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 196, 135);  
box-shadow:4px 4px 4px 4px rgb(252, 196,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2580, 61.9246, 31.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 196, 135) }
```

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

```
.background{ background-color: rgb(252,  
196, 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](#).

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