

# Converting Colors

XYZ(63.6584, 59.0353, 47.3335)

Have a look what the booklet for  
XYZ(63.6584, 59.0353, 47.3335)  
contains.

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# Color

**XYZ(63.7465, 59.0052,  
47.5645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6BDAD
RGB	246, 189, 173
RGB Percent	96%, 74%, 68%
CMY	0.0353, 0.2588, 0.3216
CMYK	0.00, 0.23, 0.30, 0.04
HSL	13°, 80%, 82%
HSV	13°, 30%, 96%
XYZ	63.7465, 59.0052, 47.5645
YIQ	204.2190, 39.1080, 7.1080

# Conversions

## Conversions Part 2

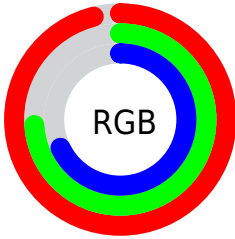
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 193, 173
Decimal	16170413
CIE Lab	81.29, 18.29, 16.00
CIE LCh	81, 24.300, 41.167
Yxy	59.0052, 0.3743, 0.3464
Android (android.graphics.Color)	4294360493 (0xFFFF6BDAD)
YUV	204.2190, -15.3910, 36.6419
Hunter-Lab	76.8148, 13.7062, 17.0574

# Details

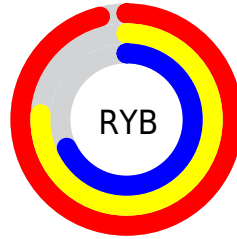
The XYZ color **63.7465, 59.0052, 47.5645** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **62.1641, 72.1294, 97.8350**, and the grayscale version is **57.6113, 60.6116, 66.0060**.

A 20% lighter version of the original color is **87.8960, 92.1663, 86.5560**, and **32.8542, 29.3998, 22.0323** is the 20% darker color. If you saturate the color by 10%, you get **57.7205, 50.4182, 34.8733**, and if you desaturate by 10%, it is **70.7611, 68.8673, 62.7486**.

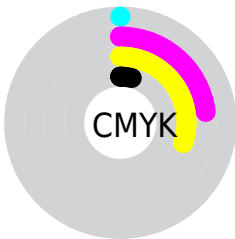
# Distribution



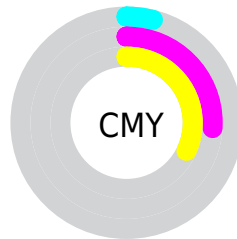
- Red (96%)
- Green (74%)
- Blue (68%)



- Red (96%)
- Yellow (76%)
- Blue (68%)



- Cyan (0%)
- Magenta (23%)
- Yellow (30%)
- Black (4%)



- Cyan (4%)
- Magenta (26%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7465, 59.0052, 47.5645 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 63.7465, 59.0052, 47.5645 by changing the saturation by 10% instead.





 63.7465, 59.0052,  
47.5645

 63.7465, 59.0052,  
47.5645


427.8904,  
420.9212, 393.5221

 46.7063, 42.6173,  
33.1246


 109.3216,  
103.3852, 87.9144

 33.0105, 29.5850,  
21.9500


138.5871,  
132.1461, 114.6615

 22.2938, 19.5238,  
13.6222


172.6585,  
165.8002, 146.3481

 14.1907, 12.0494,  
7.7226

211.9011,  
204.7318, 183.3927

 8.3360, 6.7773,  
3.8328

256.6802,  
249.3252, 226.2139

 4.3643, 3.3232,  
1.5341

307.3612,

 1.9102, 1.3027,

299.9651, 275.2301

0.2431

364.3095,  
357.0356, 330.8600

■ 0.5828, 0.1433,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.7465, 59.0052,  
47.5645

■ 63.7465, 59.0052,  
47.5645

■ 57.7205, 50.4182,  
34.8733

■ 70.7611, 68.8673,  
62.7486

■ 52.6329, 43.0456,  
24.5376

■ 78.8019, 80.0455,  
80.5460

■ 48.4362, 36.8342,  
16.4118

■ 87.9105, 92.5890,  
101.0733

■ 45.0766, 31.7236,  
10.3328

■ 91.8161, 98.3329,  
108.7487

■ 42.4939, 27.6472,  
6.1145

■ 40.6192, 24.5313,  
3.5367

■ 39.3559, 22.2854,  
2.2502

■ 39.3223, 22.2252,  
2.2174

# Harmonies

## Analogous

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



66.2012, 59.0052, 58.9895



63.7465, 59.0052, 47.5645



59.2890, 59.0052, 41.2783

# Triad

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



63.7465, 59.0052, 47.5645



47.3523, 59.0052, 55.6485



57.9921, 59.0052, 95.7160

# Complementary

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



63.7465, 59.0052, 47.5645



62.1641, 72.1294, 97.8350

# 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.



52.9941, 59.0052, 94.4613



63.7465, 59.0052, 47.5645



47.0516, 59.0052, 69.8072

# Square

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



63.7465, 59.0052, 47.5645



49.9069, 59.0052, 45.4369



49.0591, 59.0052, 84.4339



62.7480, 59.0052, 87.6405



# Rectangle

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



63.7465, 59.0052, 47.5645



55.8843, 59.0052, 40.1795



49.0591, 59.0052, 84.4339



56.2815, 59.0052, 96.3996

# Sweetspot

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



63.7481, 59.0080, 47.5657



86.1204, 87.7047, 88.7708



67.2588, 55.2041, 82.1089



18.1435, 18.3714, 18.3531



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.



63.7481, 59.0080, 47.5657



64.8698, 57.9135, 42.5038



72.5602, 76.6322, 50.5031



16.7937, 17.0715, 17.2076



21.0726, 12.0309, 1.2115



1.9251, 1.2034, 0.1308



# Inverse Universe

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



62.1641, 72.1294, 97.8350



62.8673, 74.3717, 105.6495



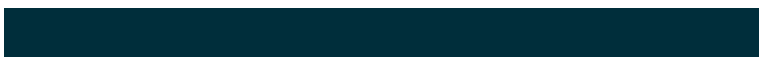
53.0901, 53.9815, 94.8104



16.6704, 18.1052, 21.1586



19.0559, 23.9055, 50.1479

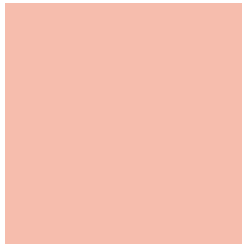


1.7492, 2.2499, 4.4323



# Previews

## White Background



This preview shows how the XYZ color 63.7465, 59.0052, 47.5645 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 63.7465, 59.0052, 47.5645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

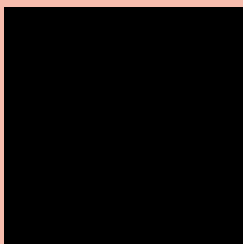
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.7465, 59.0052, 47.5645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7465, 59.0052, 47.5645.



This preview shows how white text looks on a background with the XYZ color 63.7465, 59.0052,

47.5645.

# 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

63.7465, 59.0052, 47.5645

### Protanopia

56.1212, 59.3446, 51.1446

### Deuteranopia

60.5658, 59.3324, 47.2899



## Tritanopia

66.7247, 58.9612, 61.8967

# Trichromacy



## Original Color

63.7465, 59.0052, 47.5645

## Protanomaly

58.6425, 58.9541, 49.8835

## Deuteranomaly

61.7763, 59.2956, 47.2190

## Tritanomaly

65.5646, 58.7920, 56.6076

# Monochromacy



## Original Color

63.7465, 59.0052, 47.5645

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.2625, 59.7572, 58.8629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7465, 59.0052, 47.5645 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(246, 189, 173)` looks like.

```
.text, #text, p{  
    color:rgb(246, 189, 173)  
}
```

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(246, 189, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 189, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7465, 59.0052, 47.5645 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(246, 189, 173) }
```



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

```
.border{ border-color:rgb(246, 189, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 189, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 189, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 189, 173);  
box-shadow:4px 4px 4px 4px rgb(246, 189,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7465, 59.0052, 47.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 189, 173) }
```

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

```
.background{ background-color: rgb(246,  
189, 173) }
```

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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