

# Converting Colors

XYZ(76.7700, 78.4833, 60.5068)

Have a look what the booklet for  
XYZ(76.7700, 78.4833, 60.5068)  
contains.

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# Color

**XYZ(76.8372, 78.4947,  
60.3914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE1BF
RGB	253, 225, 191
RGB Percent	99%, 88%, 75%
CMY	0.0078, 0.1176, 0.2510
CMYK	0.00, 0.11, 0.25, 0.01
HSL	33°, 94%, 87%
HSV	33°, 25%, 99%
XYZ	76.8372, 78.4947, 60.3914
YIQ	229.4960, 27.6020, -4.6380

# Conversions

## Conversions Part 2

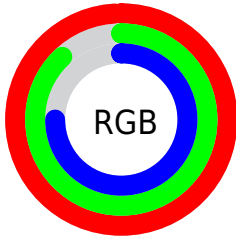
Format	Color
R <sub>Y</sub> B	242, 253, 191
Decimal	16638399
CIE Lab	91.01, 4.55, 20.17
CIE LCh	91, 20.675, 77.283
Yxy	78.4947, 0.3562, 0.3639
Android (android.graphics.Color)	4294828479 (0xFFFDE1BF)
YUV	229.4960, -18.9785, 20.6130
Hunter-Lab	88.5972, -0.2385, 21.6036

# Details

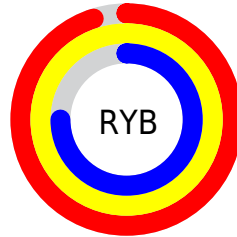
The XYZ color **76.8372, 78.4947, 60.3914** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.5464, 68.8293, 102.8123**, and the grayscale version is **74.9646, 78.8686, 85.8879**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **41.6550, 42.2914, 29.6345** is the 20% darker color. If you saturate the color by 10%, you get **71.3049, 71.5072, 45.9772**, and if you desaturate by 10%, it is **83.0613, 86.0950, 77.4107**.

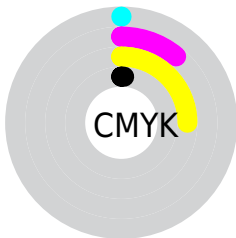
# Distribution



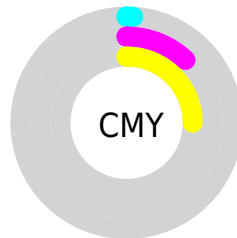
- Red (99%)
- Green (88%)
- Blue (75%)



- Red (95%)
- Yellow (99%)
- Blue (75%)



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (1%)




- Cyan (1%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8372, 78.4947, 60.3914 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 76.8372, 78.4947, 60.3914 by changing the saturation by 10% instead.





 76.8372, 78.4947,  
60.3914

 76.8372, 78.4947,  
60.3914


473.1092,  
489.8453, 443.8836

 57.4187, 58.4804,  
43.3068


 127.8837,  
131.2473, 106.9462

 41.5830, 42.1950,  
29.7928


160.2425,  
164.7544, 137.2534

 28.9646, 29.2540,  
19.4306


197.6453,  
203.5279, 172.8053

 19.1982, 19.2731,  
11.8019

240.4577,  
247.9522, 214.0205

 11.9184, 11.8678,  
6.4880

289.0449,  
298.4117, 261.3173

 6.7599, 6.6537,  
3.0705

343.7724,

 3.3574, 3.2465,

355.2907, 315.1144

1.1307

405.0053,  
418.9738, 375.8303

■ 1.3455, 1.2617,  
0.0000

■ 0.2169, 0.1113,  
0.0000

■ 76.8372, 78.4947,  
60.3914

■ 76.8372, 78.4947,  
60.3914

■ 71.3049, 71.5072,  
45.9772

■ 83.0613, 86.0950,  
77.4107

■ 66.4293, 65.1038,  
34.0316

■ 89.9978, 94.3145,  
97.1523

■ 62.1817, 59.2692,  
24.4131

■ 94.3182, 99.6227,  
108.8658

■ 58.5279, 53.9829,  
16.9636

■ 55.4299, 49.2226,  
11.5051

■ 52.8443, 44.9637,  
7.8307

■ 50.7184, 41.1775,  
5.6869

■ 49.7066, 39.2797,  
4.9619

# Harmonies

## Analogous

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



81.6218, 78.4947, 66.0471



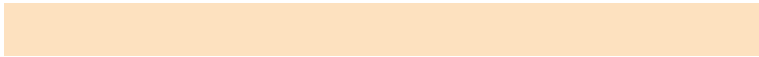
76.8372, 78.4947, 60.3914



71.6657, 78.4947, 60.8627

# Triad

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



76.8372, 78.4947, 60.3914



65.4313, 78.4947, 94.2913



82.2235, 78.4947, 106.4783

# Complementary

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



76.8372, 78.4947, 60.3914



64.5464, 68.8293, 102.8123

# Split Complementary

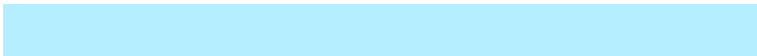
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6274, 78.4947, 115.9434



76.8372, 78.4947, 60.3914



68.0058, 78.4947, 108.3639

# Square

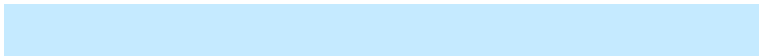
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8372, 78.4947, 60.3914



65.2419, 78.4947, 79.2972



72.4201, 78.4947, 116.6711



84.8277, 78.4947, 91.9496

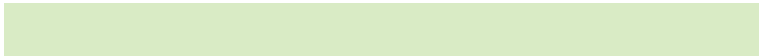


# Rectangle

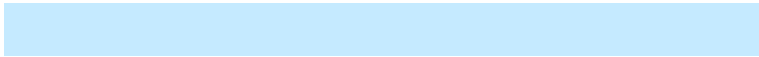
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8372, 78.4947, 60.3914



68.6930, 78.4947, 64.5838



72.4201, 78.4947, 116.6711



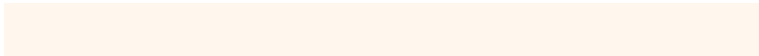
80.8508, 78.4947, 110.4277

# Sweetspot

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



76.8393, 78.4983, 60.3930



89.7905, 93.8682, 93.6216



72.0489, 63.3089, 76.0871



19.1255, 19.9817, 19.7711



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.



76.8393, 78.4983, 60.3930



75.6033, 76.6337, 54.5500



84.2894, 94.5094, 63.0908



18.8352, 19.6386, 18.9422



26.5897, 21.1907, 2.6888

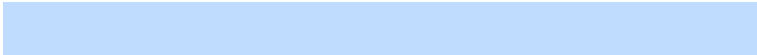


2.6981, 2.2816, 0.2982

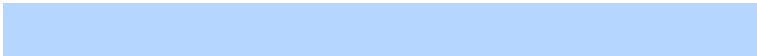


# Inverse Universe

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



64.5464, 68.8293, 102.8123



61.2760, 65.3662, 103.9951



58.3706, 55.7007, 100.6037



17.6784, 18.7285, 22.9332



12.7877, 10.4849, 50.7844



1.3524, 1.2355, 4.9805



# Previews

## White Background



This preview shows how the XYZ color 76.8372, 78.4947, 60.3914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

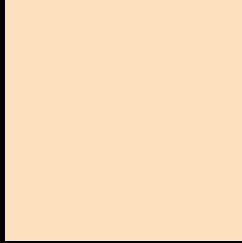
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8372, 78.4947, 60.3914 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 76.8372, 78.4947, 60.3914**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8372, 78.4947, 60.3914.



This preview shows how white text looks on a background with the XYZ color 76.8372, 78.4947,



# 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

76.8372, 78.4947, 60.3914

### Protanopia

74.2629, 78.7661, 61.7414

### Deuteranopia

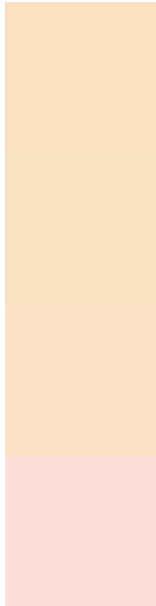
78.5268, 78.3950, 68.1197



## Tritanopia

81.8286, 78.4446, 89.4257

# Trichromacy



## Original Color

76.8372, 78.4947, 60.3914

## Protanomaly

75.2639, 78.8854, 61.1287

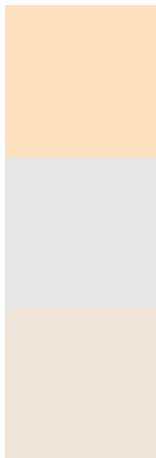
## Deuteranomaly

77.8375, 78.5057, 65.0835

## Tritanomaly

79.7805, 78.4279, 77.9510

# Monochromacy



## Original Color

76.8372, 78.4947, 60.3914

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.3980, 78.6218, 76.1674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8372, 78.4947, 60.3914 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(253, 225, 191)` looks like.

```
.text, #text, p{  
    color:rgb(253, 225, 191)  
}
```

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(253, 225, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 225, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8372, 78.4947, 60.3914 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(253, 225, 191) }
```



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

```
.border{ border-color:rgb(253, 225, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 225, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 225, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 225, 191);  
box-shadow:4px 4px 4px 4px rgb(253, 225,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8372, 78.4947, 60.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 225, 191) }
```

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

```
.background{ background-color: rgb(253,  
225, 191) }
```

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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