

# Converting Colors

XYZ(76.5093, 77.5865, 57.5004)

Have a look what the booklet for  
XYZ(76.5093, 77.5865, 57.5004)  
contains.

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# **Color**

**XYZ(76.4906, 77.5805,  
57.3974)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDFBA
RGB	255, 223, 186
RGB Percent	100%, 87%, 73%
CMY	0.0000, 0.1255, 0.2706
CMYK	0.00, 0.13, 0.27, 0.00
HSL	32°, 100%, 86%
HSV	32°, 27%, 100%
XYZ	76.4906, 77.5805, 57.3974
YIQ	228.3500, 30.9490, -4.7230

# Conversions

## Conversions Part 2

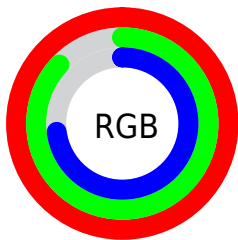
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 255, 186
Decimal	16768954
CIE Lab	90.59, 5.65, 22.21
CIE LCh	91, 22.917, 75.734
Yxy	77.5805, 0.3617, 0.3669
Android (android.graphics.Color)	4294959034 (0xFFFFDFBA)
YUV	228.3500, -20.8785, 23.3721
Hunter-Lab	88.0798, 0.8740, 23.0194

# Details

The XYZ color **76.4906, 77.5805, 57.3974** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.3704, 67.7998, 104.3544**, and the grayscale version is **74.1329, 77.9936, 84.9350**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **41.2622, 41.5690, 28.0392** is the 20% darker color. If you saturate the color by 10%, you get **70.9687, 70.4948, 43.3547**, and if you desaturate by 10%, it is **82.7207, 85.3079, 74.0646**.

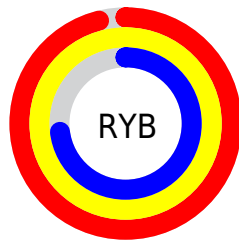
# Distribution



Red (100%)

Green (87%)

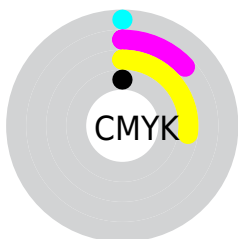
Blue (73%)



Red (96%)

Yellow (100%)

Blue (73%)

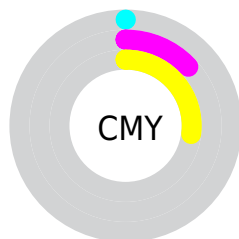


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4906, 77.5805, 57.3974 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 76.4906, 77.5805, 57.3974 by changing the saturation by 10% instead.





 76.4906, 77.5805,  
57.3974

 76.4906, 77.5805,  
57.3974


471.9441,  
486.7410, 432.4721

 57.1334, 57.7294,  
40.9129


 127.3968,  
129.9586, 102.5509

 41.3529, 41.5912,  
27.9318


159.6765,  
163.2544, 132.0570

 28.7838, 28.7813,  
18.0357


196.9944,  
201.8006, 166.7407

 19.0608, 18.9154,  
10.8059

239.7158,  
245.9816, 207.0205

 11.8185, 11.6092,  
5.8240

288.2061,  
296.1817, 253.3150

 6.6915, 6.4782,  
2.6713

342.8307,

 3.3145, 3.1380,

352.7854, 306.0428

0.9289

403.9549,  
416.1770, 365.6223

■ 1.3222, 1.2042,  
0.0000

■ 0.1997, 0.0651,  
0.0000

■ 76.4906, 77.5805,  
57.3974

■ 76.4906, 77.5805,  
57.3974

■ 70.9687, 70.4948,  
43.3547

■ 82.7207, 85.3079,  
74.0646

■ 66.1192, 64.0212,  
31.7948

■ 89.6815, 93.6849,  
93.4784

■ 61.9113, 58.1427,  
22.5696

95.0500, 100.0000,  
108.9000

■ 58.3088, 52.8372,  
15.5133

■ 55.2716, 48.0807,  
10.4376

■ 52.7528, 43.8464,  
7.1218

■ 50.6940, 40.1022,  
5.2841

■ 50.1515, 39.0830,  
4.9005

# Harmonies

## Analogous

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



81.7110, 77.5805, 63.8026



76.4906, 77.5805, 57.3974



70.7860, 77.5805, 57.5595

# Triad

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



76.4906, 77.5805, 57.3974



63.6188, 77.5805, 93.3345



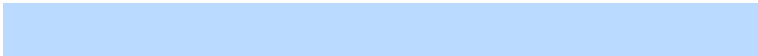
81.9253, 77.5805, 108.5050

# Complementary

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



76.4906, 77.5805, 57.3974



63.3704, 67.7998, 104.3544

# Split Complementary

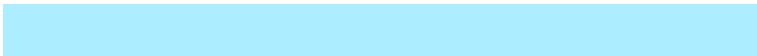
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7708, 77.5805, 118.6864



76.4906, 77.5805, 57.3974



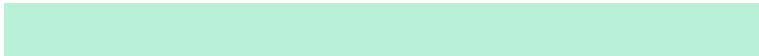
66.3011, 77.5805, 109.1830

# Square

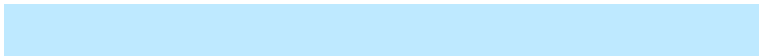
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4906, 77.5805, 57.3974



63.5525, 77.5805, 76.9215



71.0521, 77.5805, 118.9495



84.9573, 77.5805, 92.5010



# Rectangle

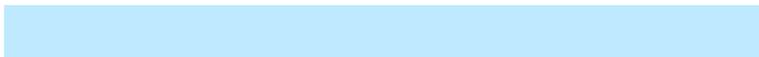
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4906, 77.5805, 57.3974



67.4795, 77.5805, 61.3290



71.0521, 77.5805, 118.9495



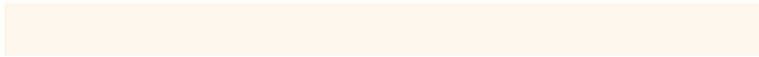
80.3718, 77.5805, 112.8082

# Sweetspot

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



76.4925, 77.5840, 57.3990



88.9939, 92.8676, 91.5294



71.4805, 61.4511, 74.5614



18.8162, 19.6007, 18.9359



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.



76.4925, 77.5840, 57.3990



73.6765, 74.0024, 50.1391



85.0220, 95.8916, 60.4832



18.8162, 19.6007, 18.9359



26.3563, 20.7239, 2.6110

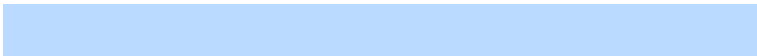


2.6756, 2.2366, 0.2907



# Inverse Universe

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



63.3704, 67.7998, 104.3544



58.7254, 62.8563, 103.6451



56.4227, 53.0683, 101.8772



17.6972, 18.7660, 22.9394



12.9774, 10.8643, 50.8476



1.3715, 1.2738, 4.9868



# Previews

## White Background



This preview shows how the XYZ color 76.4906, 77.5805, 57.3974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

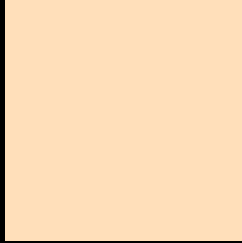
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4906, 77.5805, 57.3974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

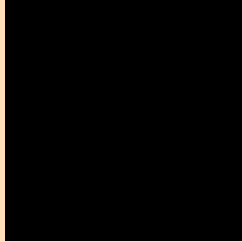
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.4906, 77.5805, 57.3974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4906, 77.5805, 57.3974.



This preview shows how white text looks on a background with the XYZ color 76.4906, 77.5805,

57.3974.

# 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

76.4906, 77.5805, 57.3974

### Protanopia

73.0961, 77.8184, 58.7448

### Deuteranopia

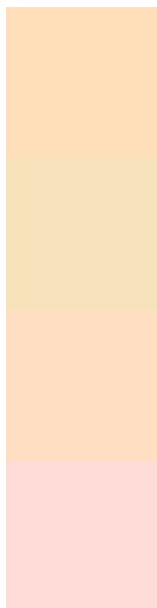
77.6701, 77.6261, 64.9225



## Tritanopia

81.1370, 77.7492, 87.0747

# Trichromacy



## Original Color

76.4906, 77.5805, 57.3974

## Protanomaly

74.1720, 77.5734, 58.0776

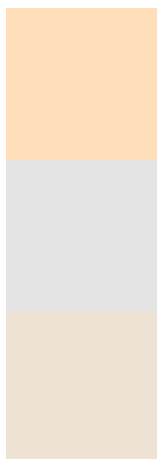
## Deuteranomaly

77.0989, 77.3976, 61.9146

## Tritanomaly

79.0989, 77.3527, 75.0516

# Monochromacy



## Original Color

76.4906, 77.5805, 57.3974

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.4665, 77.3740, 73.9607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4906, 77.5805, 57.3974 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, 223, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 186)  
}
```

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, 223, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4906, 77.5805, 57.3974 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, 223, 186) }
```



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

```
.border{ border-color:rgb(255, 223, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4906, 77.5805, 57.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 186) }
```

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

```
.background{ background-color: rgb(255,  
223, 186) }
```

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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