

# Converting Colors

XYZ(97.2743, 87.9500, 58.6761)

Have a look what the booklet for  
XYZ(97.2743, 87.9500, 58.6761)  
contains.

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# **Color**

**XYZ(76.3309, 77.0904,  
57.8706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEBB
RGB	255, 222, 187
RGB Percent	100%, 87%, 73%
CMY	0.0000, 0.1294, 0.2667
CMYK	0.00, 0.13, 0.27, 0.00
HSL	31°, 100%, 87%
HSV	31°, 27%, 100%
XYZ	76.3309, 77.0904, 57.8706
YIQ	227.8770, 30.9030, -3.8890

# Conversions

## Conversions Part 2

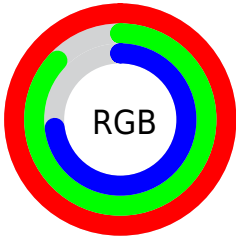
Format	Color
R <sub>Y</sub> B	251, 255, 187
Decimal	16768699
CIE Lab	90.36, 6.29, 21.38
CIE LCh	90, 22.286, 73.599
Yxy	77.0904, 0.3613, 0.3649
Android (android.graphics.Color)	4294958779 (0xFFFFDEBB)
YUV	227.8770, -20.1524, 23.7869
Hunter-Lab	87.8011, 1.5290, 22.3822

# Details

The XYZ color **76.3309, 77.0904, 57.8706** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.1360, 68.9691, 104.5398**, and the grayscale version is **73.7814, 77.6237, 84.5323**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **41.4105, 41.3644, 28.3558** is the 20% darker color. If you saturate the color by 10%, you get **70.6736, 69.7633, 43.6915**, and if you desaturate by 10%, it is **82.7180, 85.1007, 74.6862**.

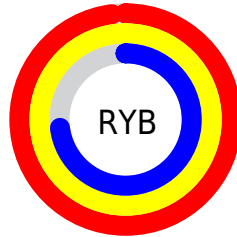
# Distribution



Red (100%)

Green (87%)

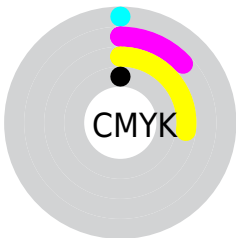
Blue (73%)



Red (98%)

Yellow (100%)

Blue (73%)

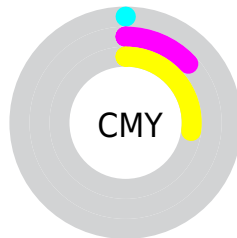


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3309, 77.0904, 57.8706 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 76.3309, 77.0904, 57.8706 by changing the saturation by 10% instead.





 76.3309, 77.0904,  
57.8706

 76.3309, 77.0904,  
57.8706


471.4067,  
485.0722, 434.2884

 57.0019, 57.3271,  
41.2906


 127.1724,  
129.2671, 103.2473

 41.2469, 41.2679,  
28.2248


159.4156,  
162.4492, 132.8811

 28.7006, 28.5285,  
18.2547


196.6943,  
200.8731, 167.7033

 18.9976, 18.7244,  
10.9617

239.3737,  
244.9231, 208.1324

 11.7725, 11.4713,  
5.9272

287.8193,  
294.9836, 254.5869

 6.6601, 6.3848,  
2.7328

342.3965,

 3.2949, 3.0804,

351.4390, 307.4853

0.9599

403.4705,  
414.6738, 367.2463

■ 1.3115, 1.1739,  
0.0000

■ 0.1918, 0.0402,  
0.0000

■ 76.3309, 77.0904,  
57.8706

■ 76.3309, 77.0904,  
57.8706

■ 70.6736, 69.7633,  
43.6915

■ 82.7180, 85.1007,  
74.6862

■ 65.7095, 63.0885,  
32.0073

■ 89.8579, 93.8033,  
94.2602

■ 61.4073, 57.0476,  
22.6703

95.0500, 100.0000,  
108.9000

■ 57.7304, 51.6172,  
15.5151

■ 54.6379, 46.7717,  
10.3544

■ 52.0824, 42.4828,  
6.9685

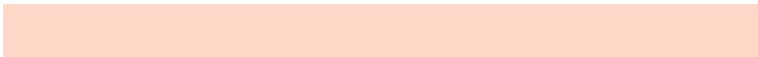
■ 50.0059, 38.7172,  
5.0817

■ 49.3927, 37.5653,  
4.6476

# Harmonies

## Analogous

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



81.2860, 77.0904, 64.5539



76.3309, 77.0904, 57.8706



70.7883, 77.0904, 57.5688

# Triad

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



76.3309, 77.0904, 57.8706



63.3691, 77.0904, 91.3412



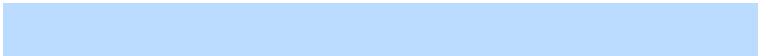
80.8907, 77.0904, 108.1080

# Complementary

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



76.3309, 77.0904, 57.8706



64.1360, 68.9691, 104.5398

# Split Complementary

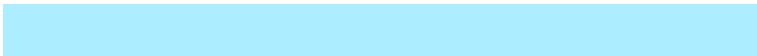
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8133, 77.0904, 117.3348



76.3309, 77.0904, 57.8706



65.8030, 77.0904, 106.8600

# Square

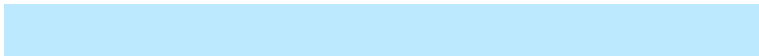
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3309, 77.0904, 57.8706



63.4920, 77.0904, 75.5905



70.2962, 77.0904, 116.8512



84.0083, 77.0904, 92.8792



# Rectangle

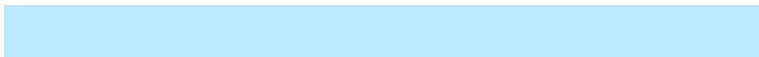
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3309, 77.0904, 57.8706



67.5167, 77.0904, 60.9416



70.2962, 77.0904, 116.8512



79.3457, 77.0904, 112.0955

# Sweetspot

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



76.3328, 77.0939, 57.8722



88.8608, 92.6014, 91.4850



72.0620, 62.0220, 76.5806



18.7827, 19.5336, 18.9247



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.



76.3328, 77.0939, 57.8722



73.2257, 73.1008, 49.9889



85.9698, 96.3679, 61.0845



18.7827, 19.5336, 18.9247



25.9590, 19.9292, 2.4785

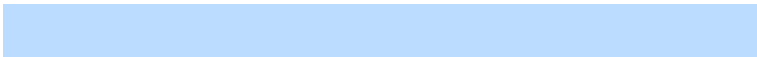


2.6369, 2.1592, 0.2778



# Inverse Universe

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



64.1360, 68.9691, 104.5398



59.1648, 63.7351, 103.7915



56.3147, 53.3265, 101.9327



17.7305, 18.8326, 22.9505



13.3281, 11.5658, 50.9645

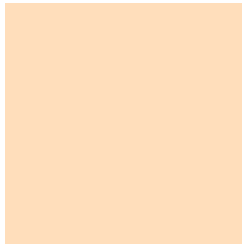


1.4065, 1.3438, 4.9985



# Previews

## White Background



This preview shows how the XYZ color 76.3309, 77.0904, 57.8706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

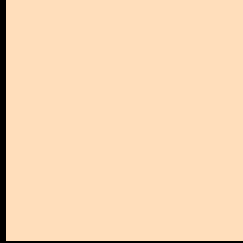
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3309, 77.0904, 57.8706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

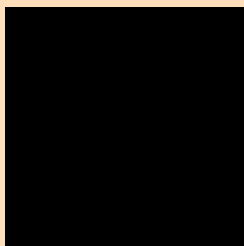
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.3309, 77.0904, 57.8706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3309, 77.0904, 57.8706.



This preview shows how white text looks on a background with the XYZ color 76.3309, 77.0904,

57.8706.

# 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

76.3309, 77.0904, 57.8706

### Protanopia

72.5896, 77.1376, 59.2073

### Deuteranopia

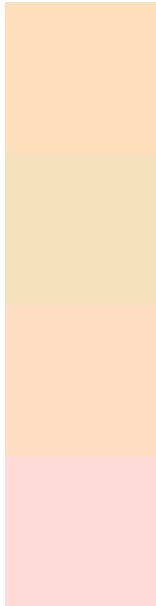
77.4053, 77.0964, 64.8342



## Tritanopia

80.8769, 77.2290, 86.9879

# Trichromacy



## Original Color

76.3309, 77.0904, 57.8706

## Protanomaly

73.6585, 76.8937, 58.5367

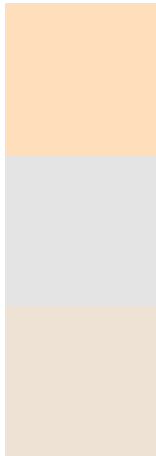
## Deuteranomaly

76.9468, 76.9130, 62.4199

## Tritanomaly

78.9662, 76.8809, 75.6433

# Monochromacy



## Original Color

76.3309, 77.0904, 57.8706

## 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 76.3309, 77.0904, 57.8706 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, 222, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 187)  
}
```

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, 222, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3309, 77.0904, 57.8706 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, 222, 187) }
```



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

```
.border{ border-color:rgb(255, 222, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3309, 77.0904, 57.8706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 187) }
```

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

```
.background{ background-color: rgb(255,  
222, 187) }
```

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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