

# Converting Colors

XYZ(82.2147, 79.0943, 61.3095)

Have a look what the booklet for  
XYZ(82.2147, 79.0943, 61.3095)  
contains.

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# Color

**XYZ(76.4588, 76.2967,  
61.1490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCC1
RGB	255, 220, 193
RGB Percent	100%, 86%, 76%
CMY	0.0000, 0.1372, 0.2431
CMYK	0.00, 0.14, 0.24, 0.00
HSL	26°, 100%, 88%
HSV	26°, 24%, 100%
XYZ	76.4588, 76.2967, 61.1490
YIQ	227.3870, 29.5270, -0.9770

# Conversions

## Conversions Part 2

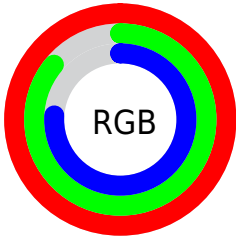
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 241, 193
Decimal	16768193
CIE <sub>Lab</sub>	90.00, 8.13, 17.74
CIE <sub>LCh</sub>	90, 19.519, 65.382
Yxy	76.2967, 0.3574, 0.3567
Android (android.graphics.Color)	4294958273 (0xFFFFDCC1)
YUV	227.3870, -16.9528, 24.2166
Hunter-Lab	87.3480, 3.3884, 19.6369

# Details

The XYZ color **76.4588, 76.2967, 61.1490** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **67.7849, 74.0419, 105.3266**, and the grayscale version is **73.4016, 77.2242, 84.0972**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **41.4040, 40.7801, 30.1152** is the 20% darker color. If you saturate the color by 10%, you get **70.2399, 68.0254, 46.2311**, and if you desaturate by 10%, it is **83.4973, 85.4216, 78.7617**.

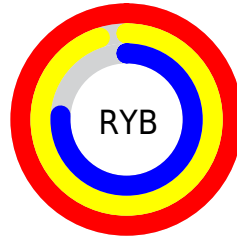
# Distribution



Red (100%)

Green (86%)

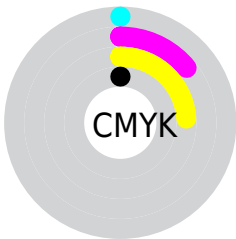
Blue (76%)



Red (100%)

Yellow (95%)

Blue (76%)

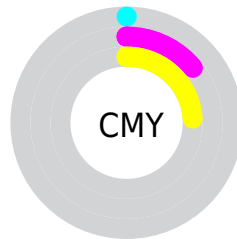


Cyan (0%)

Magenta (14%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4588, 76.2967, 61.1490 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 76.4588, 76.2967, 61.1490 by changing the saturation by 10% instead.





 76.4588, 76.2967,  
61.1490

 76.4588, 76.2967,  
61.1490


471.8371,  
482.3628, 446.7418

 57.1072, 56.6758,  
43.9141


 127.3521,  
128.1462, 108.0543

 41.3318, 40.7450,  
30.2663


159.6246,  
161.1437, 138.5617

 28.7672, 28.1199,  
19.7870


196.9346,  
199.3688, 174.3304

 19.0482, 18.4161,  
12.0578

239.6477,  
243.2059, 215.7789

 11.8093, 11.2491,  
6.6600

288.1291,  
293.0395, 263.3258

 6.6852, 6.2347,  
3.1752

342.7443,

 3.3106, 2.9883,

349.2539, 317.3895

1.1848

403.8585,  
412.2335, 378.3887

■ 1.3201, 1.1256,  
0.0000

■ 0.1982, 0.0000,  
0.0000

■ 76.4588, 76.2967,  
61.1490

■ 76.4588, 76.2967,  
61.1490

■ 70.2399, 68.0254,  
46.2311

■ 83.4973, 85.4216,  
78.7617

■ 64.8016, 60.5710,  
33.8678

■ 91.3809, 95.4148,  
99.1899

■ 60.1098, 53.9089,  
23.9138

95.0500, 100.0000,  
108.9000

■ 56.1255, 48.0095,  
16.2066

■ 52.8052, 42.8405,  
10.5635

■ 50.0997, 38.3666,  
6.7726

■ 47.9501, 34.5478,  
4.5747

■ 46.9322, 32.6444,  
3.8274

# Harmonies

## Analogous

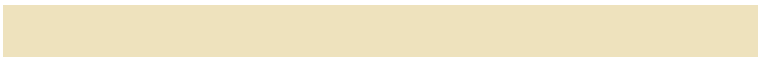
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3625, 76.2967, 68.5952



76.4588, 76.2967, 61.1490



71.6495, 76.2967, 59.2913

# Triad

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



76.4588, 76.2967, 61.1490



63.6524, 76.2967, 85.5957



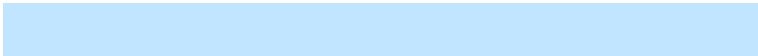
78.0335, 76.2967, 106.7210

# Complementary

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



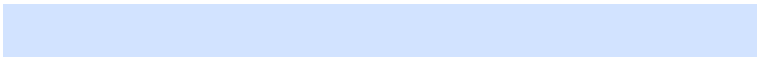
76.4588, 76.2967, 61.1490



67.7849, 74.0419, 105.3266

# 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.



73.3929, 76.2967, 112.4929



76.4588, 76.2967, 61.1490



65.2008, 76.2967, 99.4594

# Square

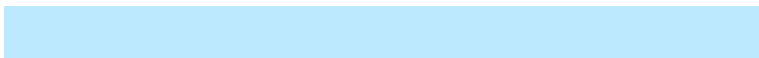
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4588, 76.2967, 61.1490



64.3922, 76.2967, 72.4717



68.7145, 76.2967, 109.6985



81.2996, 76.2967, 94.6632



# Rectangle

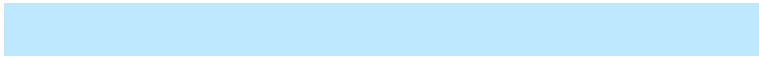
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4588, 76.2967, 61.1490



68.6063, 76.2967, 61.2712



68.7145, 76.2967, 109.6985



76.5751, 76.2967, 109.5183

# Sweetspot

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



76.4607, 76.3001, 61.1506



89.1777, 92.6426, 93.4174



74.3326, 65.0096, 82.1268



18.9836, 19.6979, 19.7238



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.



76.4607, 76.3001, 61.1506



73.4455, 72.3179, 53.8307



85.3214, 94.0215, 64.1041



18.6602, 19.2886, 18.8839



24.6653, 17.3418, 2.0473

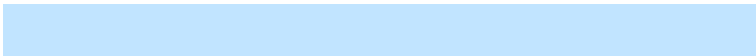


2.5079, 1.9012, 0.2348

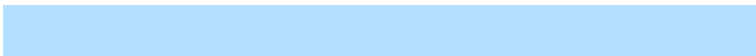


# Inverse Universe

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



67.7849, 74.0419, 105.3266



63.4492, 69.7127, 104.7195



60.0397, 58.5515, 102.7449



17.8538, 19.0792, 22.9916



14.7885, 14.4865, 51.4513

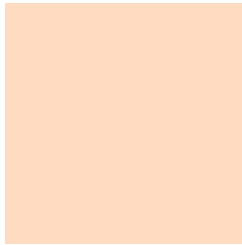


1.5487, 1.6280, 5.0459



# Previews

## White Background



This preview shows how the XYZ color 76.4588, 76.2967, 61.1490 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 76.4588, 76.2967, 61.1490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

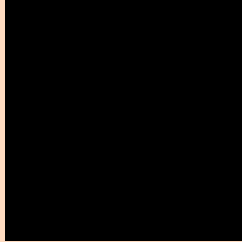
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.4588, 76.2967, 61.1490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4588, 76.2967, 61.1490.



This preview shows how white text looks on a background with the XYZ color 76.4588, 76.2967,



# 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

76.4588, 76.2967, 61.1490

### Protanopia

72.4201, 76.5554, 63.1843

### Deuteranopia

76.8803, 76.0466, 64.6593



## Tritanopia

80.2197, 76.1413, 86.0700

# Trichromacy



## Original Color

76.4588, 76.2967, 61.1490

## Protanomaly

73.8142, 76.4845, 62.5023

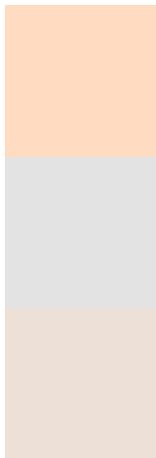
## Deuteranomaly

76.6496, 75.9543, 63.4441

## Tritanomaly

78.5772, 75.8955, 76.1535

# Monochromacy



## Original Color

76.4588, 76.2967, 61.1490

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.8464, 76.2221, 75.1102

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4588, 76.2967, 61.1490 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, 220, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 193)  
}
```

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, 220, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4588, 76.2967, 61.1490 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, 220, 193) }
```



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

```
.border{ border-color:rgb(255, 220, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 193); box-shadow:4px 4px 4px 4px rgb(255, 220, 193) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4588, 76.2967, 61.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 193) }
```

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

```
.background{ background-color: rgb(255,  
220, 193) }
```

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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