

# Converting Colors

XYZ(77.8467, 77.1290, 67.6027)

Have a look what the booklet for  
XYZ(77.8467, 77.1290, 67.6027)  
contains.

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# **Color**

**XYZ(77.9955, 77.3325,  
67.9426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDCC
RGB	255, 221, 204
RGB Percent	100%, 87%, 80%
CMY	0.0000, 0.1333, 0.2000
CMYK	0.00, 0.13, 0.20, 0.00
HSL	20°, 100%, 90%
HSV	20°, 20%, 100%
XYZ	77.9955, 77.3325, 67.9426
YIQ	229.2280, 25.7210, 1.9210

# Conversions

## Conversions Part 2

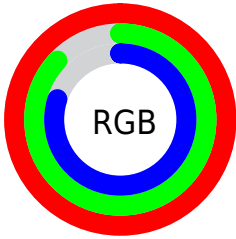
Format	Color
RYB	255, 230, 204
Decimal	16768460
CIELab	90.47, 9.17, 12.67
CIELCh	90, 15.639, 54.113
Yxy	77.3325, 0.3493, 0.3464
Android (android.graphics.Color)	4294958540 (0xFFFFDDCC)
YUV	229.2280, -12.4374, 22.6020
Hunter-Lab	87.9389, 4.4236, 15.7491

# Details

The XYZ color **77.9955, 77.3325, 67.9426** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.5255, 81.2041, 106.4065**, and the grayscale version is **74.7210, 78.6123, 85.6088**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4299, 41.4802, 34.6243** is the 20% darker color. If you saturate the color by 10%, you get **70.9213, 67.6844, 51.7105**, and if you desaturate by 10%, it is **86.0286, 88.0964, 86.9666**.

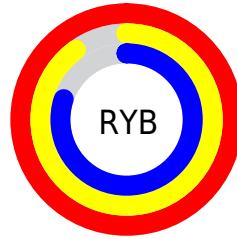
# Distribution



Red (100%)

Green (87%)

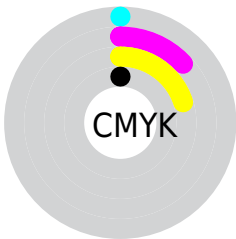
Blue (80%)



Red (100%)

Yellow (90%)

Blue (80%)

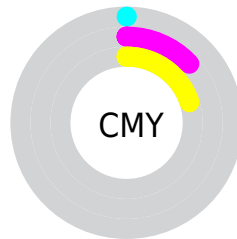


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9955, 77.3325, 67.9426 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 77.9955, 77.3325, 67.9426 by changing the saturation by 10% instead.



77.9955, 77.3325,  
67.9426

77.9955, 77.3325,  
67.9426

476.9916,  
485.8969, 471.8852

58.3731, 57.5258,  
49.3846

129.5092,  
129.6087, 117.9235

42.3531, 41.4275,  
34.5569

162.1311,  
162.8471, 150.1834

29.5702, 28.6533,  
23.0410

199.8169,  
201.3314, 187.8479

19.6590, 18.8187,  
14.4182

242.9320,  
245.4461, 231.3352

12.2542, 11.5394,  
8.2700

291.8416,  
295.5757, 281.0641

6.9905, 6.4308,  
4.1780

346.9112,

3.5024, 3.1088,

352.1044, 337.4530

1.7235

408.5061,  
415.4167, 400.9205

■ 1.4247, 1.1888,  
0.3767

■ 0.2737, 0.0525,  
0.0000

■ 77.9955, 77.3325,  
67.9426

■ 77.9955, 77.3325,  
67.9426

■ 70.9213, 67.6844,  
51.7105

■ 86.0286, 88.0964,  
86.9666

■ 64.7626, 59.1054,  
38.1328

95.0500, 100.0000,  
108.9000

■ 59.4809, 51.5600,  
27.0676

■ 55.0323, 45.0072,  
18.3575

■ 51.3688, 39.4024,  
11.8273

■ 48.4370, 34.6978,  
7.2766

■ 46.1747, 30.8398,  
4.4673

■ 44.4906, 27.7612,  
3.0136

■ 44.4905, 27.7610,  
3.0135

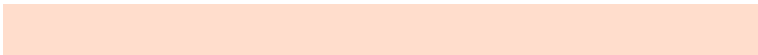
# Harmonies

## Analogous

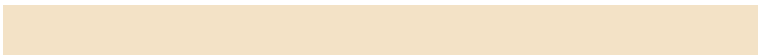
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5762, 77.3325, 75.7126



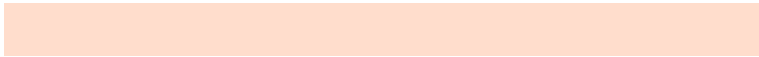
77.9955, 77.3325, 67.9426



74.2756, 77.3325, 64.5582

# Triad

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



77.9955, 77.3325, 67.9426



66.2782, 77.3325, 82.0140



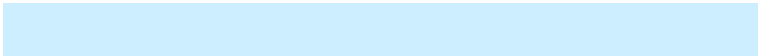
76.6150, 77.3325, 105.4111

# Complementary

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



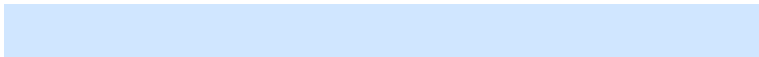
77.9955, 77.3325, 67.9426



73.5255, 81.2041, 106.4065

# 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.



72.7342, 77.3325, 107.4738



77.9955, 77.3325, 67.9426



66.8548, 77.3325, 93.3033

# Square

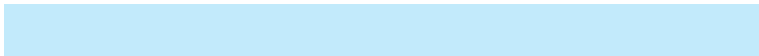
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9955, 77.3325, 67.9426



67.5809, 77.3325, 72.2067



69.1849, 77.3325, 102.8681



79.7597, 77.3325, 97.4571



# Rectangle

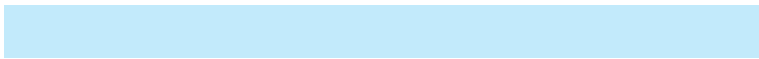
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9955, 77.3325, 67.9426



71.6852, 77.3325, 65.0083



69.1849, 77.3325, 102.8681



75.3497, 77.3325, 106.8443

# Sweetspot

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



77.9974, 77.3359, 67.9442



89.5160, 92.7182, 95.3830



78.2660, 70.6196, 90.3952



19.0359, 19.6813, 20.1148



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.



77.9974, 77.3359, 67.9442



75.0539, 73.3436, 61.1222



85.2474, 91.8360, 70.3609



18.5042, 18.9765, 18.8319



23.3692, 14.7496, 1.6153

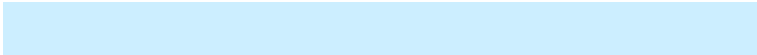


2.3710, 1.6274, 0.1892

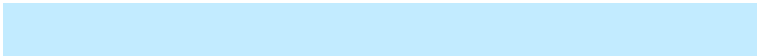


# Inverse Universe

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



73.5255, 81.2041, 106.4065



69.8390, 77.8473, 105.9529



66.6213, 67.3957, 104.1051



18.0147, 19.4010, 23.0452



17.0832, 19.0759, 52.2162

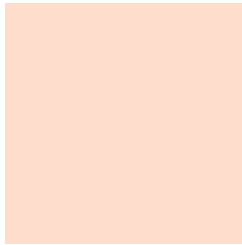


1.7639, 2.0585, 5.1176



# Previews

## White Background



This preview shows how the XYZ color 77.9955, 77.3325, 67.9426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

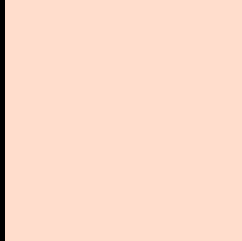
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9955, 77.3325, 67.9426 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 77.9955, 77.3325, 67.9426**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9955, 77.3325, 67.9426.



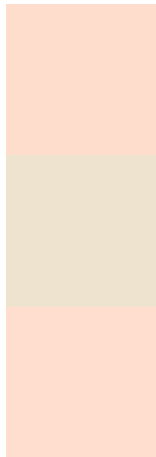
This preview shows how white text looks on a background with the XYZ color 77.9955, 77.3325,

67.9426.

# 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

77.9955, 77.3325, 67.9426

### Protanopia

73.6566, 77.4477, 70.0983

### Deuteranopia

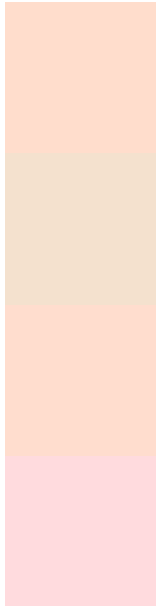
78.3589, 77.4779, 69.8563



## Tritanopia

81.0194, 77.2860, 87.7383

# Trichromacy



## Original Color

77.9955, 77.3325, 67.9426

## Protanomaly

75.3740, 77.5398, 69.3866

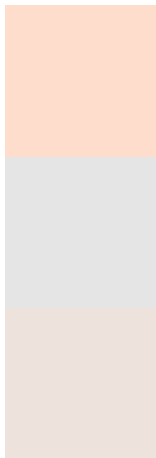
## Deuteranomaly

78.2370, 77.4291, 69.2143

## Tritanomaly

79.7563, 77.1970, 79.8041

# Monochromacy



## Original Color

77.9955, 77.3325, 67.9426

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.3745, 77.7372, 78.7423

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9955, 77.3325, 67.9426 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, 221, 204) looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 204)  
}
```

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, 221, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9955, 77.3325, 67.9426 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, 221, 204) }
```



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

```
.border{ border-color:rgb(255, 221, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9955, 77.3325, 67.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 204) }
```

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

```
.background{ background-color: rgb(255,  
221, 204) }
```

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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