

# Converting Colors

XYZ(77.1721, 75.6856, 67.6681)

Have a look what the booklet for  
XYZ(77.1721, 75.6856, 67.6681)  
contains.

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# **Color**

**XYZ(77.2105, 75.7624,  
67.6809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDACC
RGB	255, 218, 204
RGB Percent	100%, 85%, 80%
CMY	0.0000, 0.1451, 0.2000
CMYK	0.00, 0.15, 0.20, 0.00
HSL	16°, 100%, 90%
HSV	16°, 20%, 100%
XYZ	77.2105, 75.7624, 67.6809
YIQ	227.4670, 26.5460, 3.4900

# Conversions

## Conversions Part 2

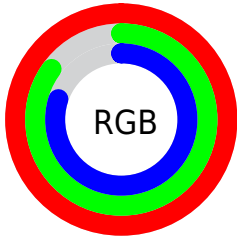
Format	Color
R <sub>Y</sub> B	255, 223, 204
Decimal	16767692
CIE Lab	89.75, 10.72, 11.64
CIE LCh	90, 15.823, 47.357
Yxy	75.7624, 0.3499, 0.3434
Android (android.graphics.Color)	4294957772 (0xFFFFDACC)
YUV	227.4670, -11.5692, 24.1464
Hunter-Lab	87.0416, 6.0161, 14.8270

# Details

The XYZ color **77.2105, 75.7624, 67.6809** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.4063, 82.9655, 106.7001**, and the grayscale version is **73.4233, 77.2470, 84.1220**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8909, 40.4022, 34.4447** is the 20% darker color. If you saturate the color by 10%, you get **69.8670, 65.5758, 51.3590**, and if you desaturate by 10%, it is **85.5937, 87.2265, 86.8216**.

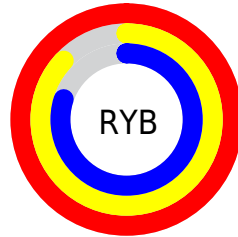
# Distribution



Red (100%)

Green (85%)

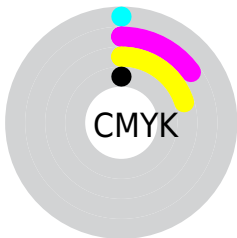
Blue (80%)



Red (100%)

Yellow (87%)

Blue (80%)

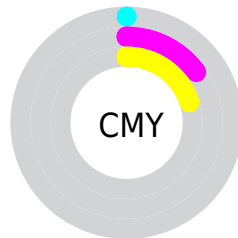


Cyan (0%)

Magenta (15%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2105, 75.7624, 67.6809 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 77.2105, 75.7624, 67.6809 by changing the saturation by 10% instead.




 77.2105, 75.7624,  
67.6809

 77.2105, 75.7624,  
67.6809


474.3624,  
480.5340, 470.9319

 57.7262, 56.2377,  
49.1731


128.4078,  
127.3910, 117.5454

 41.8310, 40.3935,  
34.3903


160.8516,  
160.2637, 149.7392

 29.1595, 27.8455,  
22.9138


198.3458,  
198.3545, 187.3321

 19.3464, 18.2092,  
14.3252

241.2560,  
242.0478, 230.7427

 12.0263, 11.1003,  
8.2058

289.9473,  
291.7280, 280.3894

 6.8339, 6.1343,  
4.1373

344.7853,

 3.4039, 2.9269,

347.7795, 336.6908

1.7010

406.1352,  
410.5867, 400.0655

■ 1.3708, 1.0937,  
0.3614

■ 0.2352, 0.0000,  
0.0000

■ 77.2105, 75.7624,  
67.6809

■ 77.2105, 75.7624,  
67.6809

■ 69.8670, 65.5758,  
51.3590

■ 85.5937, 87.2265,  
86.8216

■ 63.5160, 56.6122,  
37.7173

95.0500, 100.0000,  
108.9000

■ 58.1145, 48.8274,  
26.6122

■ 53.6140, 42.1707,  
17.8848

■ 49.9614, 36.5876,  
11.3581

■ 47.0975, 32.0188,  
6.8301

■ 44.9538, 28.3981,  
4.0604

■ 43.4318, 25.6436,  
2.6606

■ 43.4317, 25.6434,  
2.6606

# Harmonies

## Analogous

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



79.4075, 75.7624, 76.2495



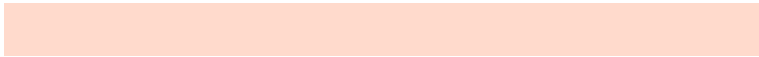
77.2105, 75.7624, 67.6809



73.6638, 75.7624, 63.2603

# Triad

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



77.2105, 75.7624, 67.6809



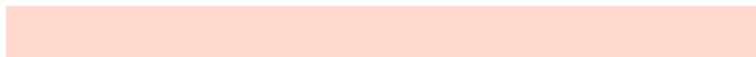
64.9375, 75.7624, 77.8803



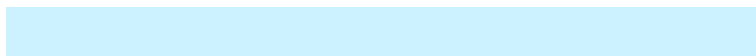
74.2704, 75.7624, 104.7367

# Complementary

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



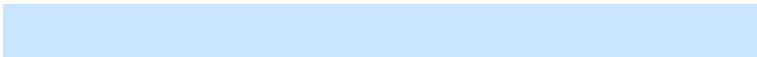
77.2105, 75.7624, 67.6809



74.4063, 82.9655, 106.7001

# 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.



70.3809, 75.7624, 105.2737



77.2105, 75.7624, 67.6809



65.0866, 75.7624, 89.0670

# Square

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



77.2105, 75.7624, 67.6809



66.6331, 75.7624, 68.7816



67.0482, 75.7624, 99.3210



77.6684, 75.7624, 97.9138



# Rectangle

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



77.2105, 75.7624, 67.6809



71.0538, 75.7624, 62.9726



67.0482, 75.7624, 99.3210



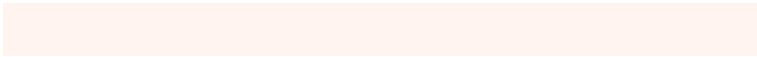
72.9745, 75.7624, 105.6789

# Sweetspot

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



77.2123, 75.7657, 67.6825



89.2447, 92.1755, 95.2926



78.7703, 70.8213, 93.0513



18.9719, 19.5533, 20.0935



0.0000, 0.0000, 0.0000

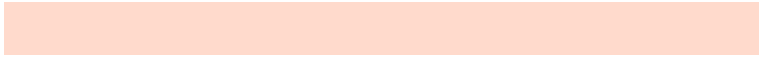


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2123, 75.7657, 67.6825



74.1516, 71.5390, 60.8214



84.2199, 89.7810, 70.0184



18.4153, 18.7987, 18.8023



22.8001, 13.6113, 1.4256

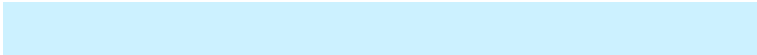


2.3065, 1.4984, 0.1677



# Inverse Universe

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



74.4063, 82.9655, 106.7001



70.8779, 79.9250, 106.2992



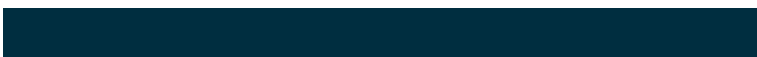
67.4829, 69.1187, 104.3923



18.1083, 19.5883, 23.0765



18.6253, 22.1602, 52.7303

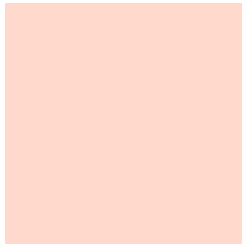


1.9049, 2.3404, 5.1646



# Previews

## White Background



This preview shows how the XYZ color 77.2105, 75.7624, 67.6809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

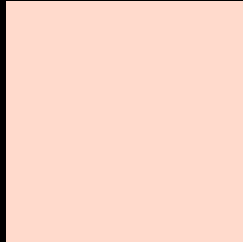
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2105, 75.7624, 67.6809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

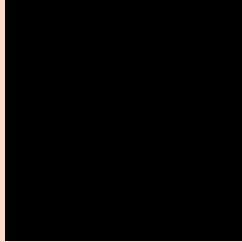
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.2105, 75.7624, 67.6809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2105, 75.7624, 67.6809.



This preview shows how white text looks on a background with the XYZ color 77.2105, 75.7624,

67.6809.

# 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

77.2105, 75.7624, 67.6809

### Protanopia

72.2421, 75.8969, 70.5165

### Deuteranopia

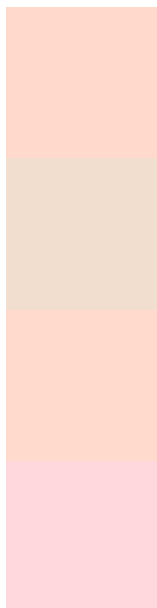
77.3308, 75.8106, 68.3147



## Tritanopia

79.8234, 75.5740, 85.2430

# Trichromacy



## Original Color

77.2105, 75.7624, 67.6809

## Protanomaly

74.0017, 75.6248, 69.7282

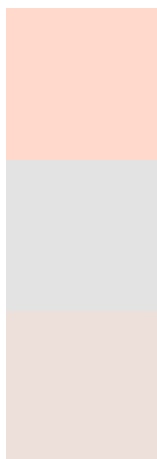
## Deuteranomaly

77.3308, 75.8106, 68.3147

## Tritanomaly

78.8470, 75.5922, 78.8417

# Monochromacy



## Original Color

77.2105, 75.7624, 67.6809

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.3669, 76.4303, 77.8508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2105, 75.7624, 67.6809 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, 218, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 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, 218, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2105, 75.7624, 67.6809 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, 218, 204) }
```



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

```
.border{ border-color:rgb(255, 218, 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, 218, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2105, 75.7624, 67.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 204) }
```

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

```
.background{ background-color: rgb(255,  
218, 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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