

# Converting Colors

XYZ(76.6243, 74.5901, 67.4855)

Have a look what the booklet for  
XYZ(76.6243, 74.5901, 67.4855)  
contains.

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# Color

**XYZ(76.6950, 74.7314,  
67.5091)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD8CC
RGB	255, 216, 204
RGB Percent	100%, 85%, 80%
CMY	0.0000, 0.1529, 0.2000
CMYK	0.00, 0.15, 0.20, 0.00
HSL	14°, 100%, 90%
HSV	14°, 20%, 100%
XYZ	76.6950, 74.7314, 67.5091
YIQ	226.2930, 27.0960, 4.5360

# Conversions

## Conversions Part 2

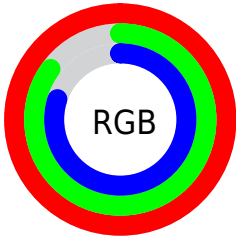
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 220, 204
Decimal	16767180
CIE Lab	89.27, 11.76, 10.95
CIE LCh	89, 16.067, 42.976
Yxy	74.7314, 0.3503, 0.3413
Android (android.graphics.Color)	4294957260 (0xFFFFD8CC)
YUV	226.2930, -10.9904, 25.1760
Hunter-Lab	86.4473, 7.0802, 14.2119

# Details

The XYZ color **76.6950, 74.7314, 67.5091** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.0015, 84.1560, 106.8985**, and the grayscale version is **72.5656, 76.3447, 83.1394**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5386, 39.6975, 34.3272** is the 20% darker color. If you saturate the color by 10%, you get **69.1812, 64.2043, 51.1305**, and if you desaturate by 10%, it is **85.3058, 86.6507, 86.7257**.

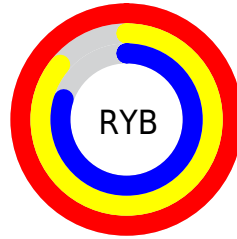
# Distribution



Red (100%)

Green (85%)

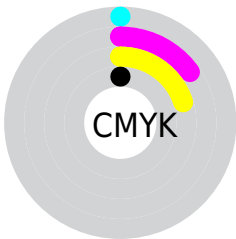
Blue (80%)



Red (100%)

Yellow (86%)

Blue (80%)

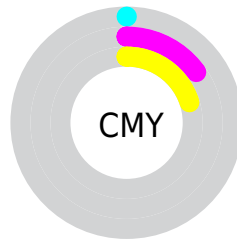


Cyan (0%)

Magenta (15%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6950, 74.7314, 67.5091 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 76.6950, 74.7314, 67.5091 by changing the saturation by 10% instead.




 76.6950, 74.7314,  
67.5091

 76.6950, 74.7314,  
67.5091


472.6314,  
476.9939, 470.3055

 57.3016, 55.3929,  
49.0343


127.6840,  
125.9321, 117.2972

 41.4885, 39.7164,  
34.2809


160.0103,  
158.5630, 149.4475

 28.8904, 27.3175,  
22.8304


197.3783,  
196.3935, 186.9934

 19.1418, 17.8118,  
14.2642

240.1534,  
239.8080, 230.3534

 11.8774, 10.8149,  
8.1638

288.7009,  
289.1909, 279.9461

 6.7318, 5.9425,  
4.1107

343.3862,

 3.3398, 2.8102,

344.9266, 336.1900

1.6862

404.5745,  
407.3994, 399.5036

■ 1.3359, 1.0334,  
0.3513

■ 0.2098, 0.0000,  
0.0000

■ 76.6950, 74.7314,  
67.5091

■ 76.6950, 74.7314,  
67.5091

■ 69.1812, 64.2043,  
51.1305

■ 85.3058, 86.6507,  
86.7257

■ 62.7143, 55.0087,  
37.4500

95.0500, 100.0000,  
108.9000

■ 57.2476, 47.0936,  
26.3232

■ 52.7292, 40.4010,  
17.5898

■ 49.1017, 34.8682,  
11.0716

■ 46.3014, 30.4267,  
6.5647

■ 44.2548, 27.0002,  
3.8274

■ 42.8572, 24.4945,  
2.4691

■ 42.8572, 24.4943,  
2.4691

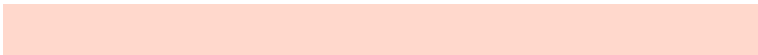
# Harmonies

## Analogous

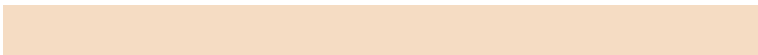
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6397, 74.7314, 76.6130



76.6950, 74.7314, 67.5091



73.2621, 74.7314, 62.4059

# Triad

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



76.6950, 74.7314, 67.5091



64.0563, 74.7314, 75.2055



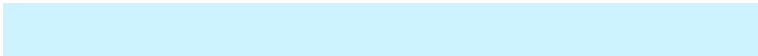
72.7379, 74.7314, 104.2975

# Complementary

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



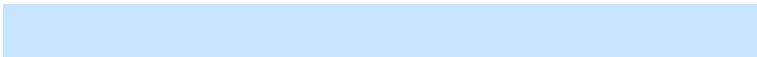
76.6950, 74.7314, 67.5091



75.0015, 84.1560, 106.8985

# 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.



68.8436, 74.7314, 103.8320



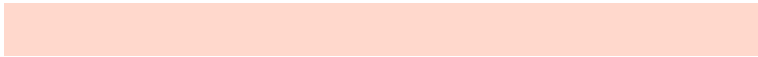
76.6950, 74.7314, 67.5091



63.9277, 74.7314, 86.3195

# Square

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



76.6950, 74.7314, 67.5091



66.0092, 74.7314, 66.5607



65.6510, 74.7314, 97.0086



76.2991, 74.7314, 98.2271



# Rectangle

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



76.6950, 74.7314, 67.5091



70.6389, 74.7314, 61.6401



65.6510, 74.7314, 97.0086



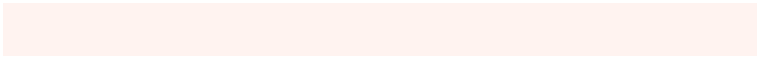
71.4225, 74.7314, 104.9155

# Sweetspot

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



76.6967, 74.7346, 67.5106



89.0645, 91.8152, 95.2325



79.0261, 70.9236, 94.3980



18.9294, 19.4683, 20.0793



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.



76.6967, 74.7346, 67.5106



73.5613, 70.3583, 60.6247



83.7132, 88.7676, 69.8495



18.3564, 18.6809, 18.7826



22.4879, 12.9870, 1.3215

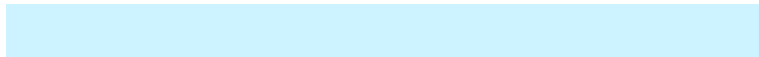


2.2690, 1.4234, 0.1552

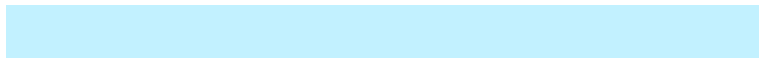


# Inverse Universe

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



75.0015, 84.1560, 106.8985



71.5821, 81.3334, 106.5339



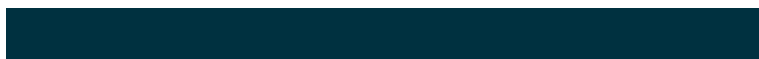
67.9204, 69.9938, 104.5381



18.1712, 19.7139, 23.0974



19.7461, 24.4018, 53.1039

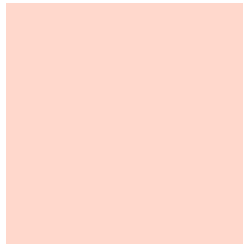


2.0059, 2.5426, 5.1983



# Previews

## White Background



This preview shows how the XYZ color 76.6950, 74.7314, 67.5091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

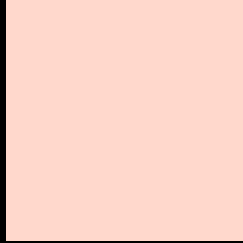
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6950, 74.7314, 67.5091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

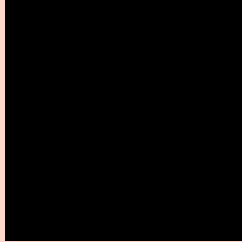
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.6950, 74.7314, 67.5091

## Background



This preview shows how black text looks on a background with the XYZ color 76.6950, 74.7314, 67.5091.



This preview shows how white text looks on a background with the XYZ color 76.6950, 74.7314,



# 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

76.6950, 74.7314, 67.5091

### Protanopia

71.3195, 75.0212, 70.3961

### Deuteranopia

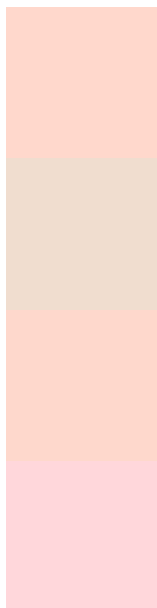
76.3280, 74.5422, 67.4919



## Tritanopia

79.2902, 74.9546, 83.6874

# Trichromacy



## Original Color

76.6950, 74.7314, 67.5091

## Protanomaly

73.0541, 74.7432, 69.6080

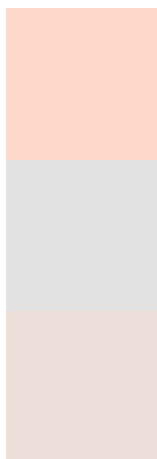
## Deuteranomaly

76.3280, 74.5422, 67.4919

## Tritanomaly

78.3266, 74.9754, 77.3613

# Monochromacy



## Original Color

76.6950, 74.7314, 67.5091

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.7012, 75.3090, 76.9813

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6950, 74.7314, 67.5091 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, 216, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 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, 216, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6950, 74.7314, 67.5091 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, 216, 204) }
```



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

```
.border{ border-color:rgb(255, 216, 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, 216, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6950, 74.7314, 67.5091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 204) }
```

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

```
.background{ background-color: rgb(255,  
216, 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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