

# Converting Colors

XYZ(127.8045, 100.0000,  
78.9609)

Have a look what the booklet for  
XYZ(127.8045, 100.0000, 78.9609)  
contains.

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# Color

**XYZ(77.9415, 74.4151,  
76.5853)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD6DA
RGB	255, 214, 218
RGB Percent	100%, 84%, 85%
CMY	0.0000, 0.1608, 0.1451
CMYK	0.00, 0.16, 0.15, 0.00
HSL	354°, 100%, 92%
HSV	354°, 16%, 100%
XYZ	77.9415, 74.4151, 76.5853
YIQ	226.7150, 23.1520, 9.9360

# Conversions

## Conversions Part 2

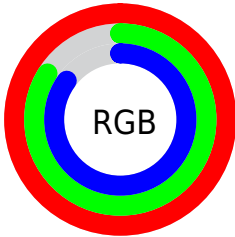
Format	Color
R <sub>Y</sub> B	255, 214, 218
Decimal	16766682
CIE Lab	89.12, 14.90, 3.37
CIE LCh	89, 15.282, 12.751
Yxy	74.4151, 0.3404, 0.3250
Android (android.graphics.Color)	4294956762 (0xFFFFD6DA)
YUV	226.7150, -4.2965, 24.8059
Hunter-Lab	86.2642, 10.3162, 7.7473

# Details

The XYZ color **77.9415, 74.4151, 76.5853** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.9066, 92.7824, 104.9151**, and the grayscale version is **72.8266, 76.6193, 83.4384**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2977, 39.4464, 40.0349** is the 20% darker color. If you saturate the color by 10%, you get **69.1804, 61.3826, 59.8238**, and if you desaturate by 10%, it is **88.1345, 89.6416, 95.8891**.

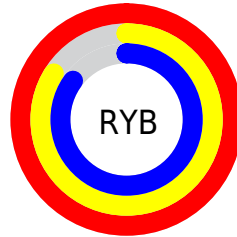
# Distribution



Red (100%)

Green (84%)

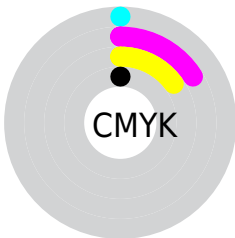
Blue (85%)



Red (100%)

Yellow (84%)

Blue (85%)

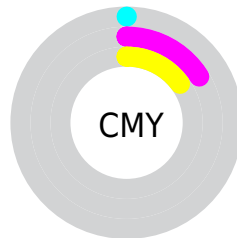


Cyan (0%)

Magenta (16%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9415, 74.4151, 76.5853 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 77.9415, 74.4151, 76.5853 by changing the saturation by 10% instead.



77.9415, 74.4151,  
76.5853

77.9415, 74.4151,  
76.5853

476.8110,  
475.9048, 502.7490

58.3285, 55.1339,  
56.4030

129.4335,  
125.4841, 130.3216

42.3171, 39.5089,  
40.1200

162.0432,  
158.0406, 164.7127

29.5419, 27.1558,  
27.3176

199.7158,  
195.7910, 204.6772

19.6375, 17.6903,  
17.5774

242.8168,  
239.1196, 250.6336

12.2385, 10.7279,  
10.4807

291.7115,  
288.4109, 303.0004

6.9797, 5.8842,  
5.6091

346.7651,

3.4956, 2.7748,

344.0493, 362.1962

2.5439

408.3432,  
406.4191, 428.6396

■ 1.4210, 1.0153,  
0.8633

■ 0.2711, 0.0000,  
0.0000

■ 77.9415, 74.4151,  
76.5853

■ 77.9415, 74.4151,  
76.5853

■ 69.1804, 61.3826,  
59.8238

■ 88.1345, 89.6416,  
95.8891

■ 61.7820, 50.4340,  
45.4943

95.0500, 100.0000,  
108.9000

■ 55.6792, 41.4641,  
33.4848

■ 50.7971, 34.3546,  
23.6732

■ 47.0529, 28.9745,  
15.9258

■ 44.3539, 25.1760,  
10.0945

■ 42.5920, 22.7865,  
6.0111

■ 41.6357, 21.5920,  
3.4779

■ 41.4139, 21.3296,  
2.8457

# Harmonies

## Analogous

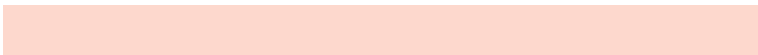
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7865, 74.4151, 87.2561



77.9415, 74.4151, 76.5853



76.1157, 74.4151, 67.8937

# Triad

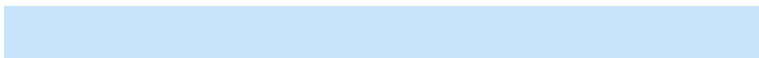
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9415, 74.4151, 76.5853



65.9817, 74.4151, 66.8877



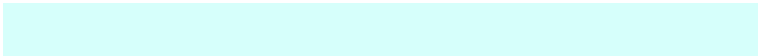
68.6284, 74.4151, 102.2179

# Complementary

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



77.9415, 74.4151, 76.5853



80.9066, 92.7824, 104.9151

# 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.



65.6033, 74.4151, 95.7498



77.9415, 74.4151, 76.5853



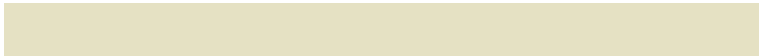
64.1124, 74.4151, 75.0986

# Square

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



77.9415, 74.4151, 76.5853



69.1615, 74.4151, 62.6340



63.9764, 74.4151, 85.6339



72.3207, 74.4151, 102.7048

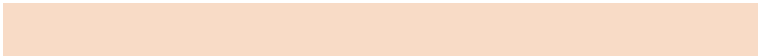


# Rectangle

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



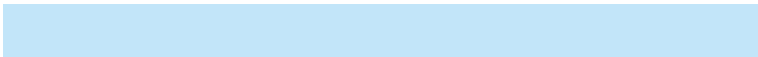
77.9415, 74.4151, 76.5853



74.0569, 74.4151, 64.1359



63.9764, 74.4151, 85.6339



67.5030, 74.4151, 100.6467

# Sweetspot

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



77.9432, 74.4182, 76.5868



89.3188, 91.4141, 98.1217



81.8460, 75.8070, 104.9262



18.9519, 19.3180, 20.6893



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

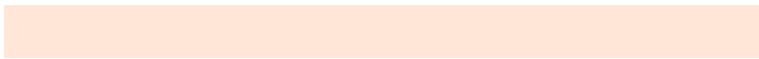
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9432, 74.4182, 76.5868



75.2360, 70.3847, 71.4273



81.7877, 82.9339, 75.3196



18.0813, 18.0158, 19.0452



21.6633, 11.1546, 1.6114



2.1322, 1.0952, 0.2774



# Inverse Universe

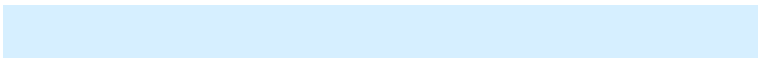
The Inverse Universe completely reimagines the original color for something new.



77.9432, 74.4182, 76.5868



75.2360, 70.3847, 71.4273



76.5336, 83.0175, 106.5980



18.0813, 18.0158, 19.0452



21.6633, 11.1546, 1.6114

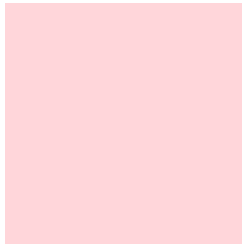


2.1322, 1.0952, 0.2774



# Previews

## White Background



This preview shows how the XYZ color 77.9415, 74.4151, 76.5853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

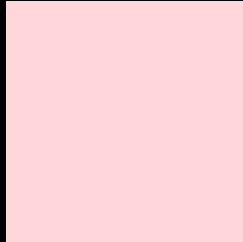
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9415, 74.4151, 76.5853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

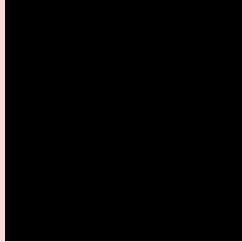
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.9415, 74.4151, 76.5853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9415, 74.4151, 76.5853.



This preview shows how white text looks on a background with the XYZ color 77.9415, 74.4151,



# 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

77.9415, 74.4151, 76.5853

### Protanopia

71.7019, 74.5970, 80.4316

### Deuteranopia

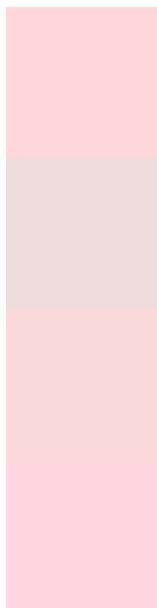
76.0486, 74.5919, 76.0351



## Tritanopia

79.1771, 74.5056, 84.3367

# Trichromacy



## Original Color

77.9415, 74.4151, 76.5853

## Protanomaly

73.9042, 74.5840, 78.9076

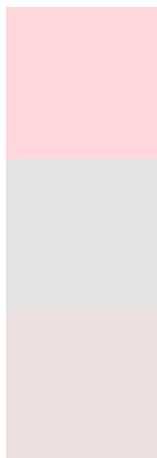
## Deuteranomaly

76.8639, 74.6307, 75.9996

## Tritanomaly

78.6249, 74.2847, 81.4286

# Monochromacy



## Original Color

77.9415, 74.4151, 76.5853

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.5009, 75.6289, 81.1922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9415, 74.4151, 76.5853 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, 214, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 218)  
}
```

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, 214, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9415, 74.4151, 76.5853 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, 214, 218) }
```



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

```
.border{ border-color:rgb(255, 214, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9415, 74.4151, 76.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 218) }
```

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

```
.background{ background-color: rgb(255,  
214, 218) }
```

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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