

# Converting Colors

XYZ(81.5970, 73.4125, 77.9668)

Have a look what the booklet for  
XYZ(81.5970, 73.4125, 77.9668)  
contains.

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# Color

**XYZ(76.3625, 70.6231,  
78.0135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEDD
RGB	255, 206, 221
RGB Percent	100%, 81%, 87%
CMY	0.0000, 0.1921, 0.1333
CMYK	0.00, 0.19, 0.13, 0.00
HSL	342°, 100%, 90%
HSV	342°, 19%, 100%
XYZ	76.3625, 70.6231, 78.0135
YIQ	222.3610, 24.3890, 15.0530

# Conversions

## Conversions Part 2

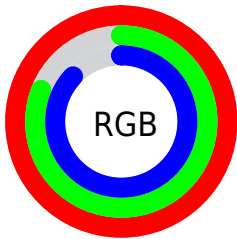
Format	Color
R <sub>Y</sub> B	255, 206, 221
Decimal	16764637
CIE Lab	87.30, 19.55, -0.86
CIE LCh	87, 19.572, 357.487
Yxy	70.6231, 0.3394, 0.3139
Android (android.graphics.Color)	4294954717 (0xFFFFCEDD)
YUV	222.3610, -0.6710, 28.6244
Hunter-Lab	84.0376, 15.1321, 3.7864

# Details

The XYZ color **76.3625, 70.6231, 78.0135** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.9442, 90.9342, 95.9384**, and the grayscale version is **69.6803, 73.3091, 79.8336**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3999, 37.2154, 41.0777** is the 20% darker color. If you saturate the color by 10%, you get **68.4796, 58.4336, 64.3609**, and if you desaturate by 10%, it is **85.4930, 84.9096, 93.3099**.

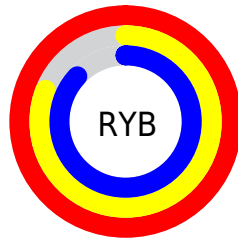
# Distribution



Red (100%)

Green (81%)

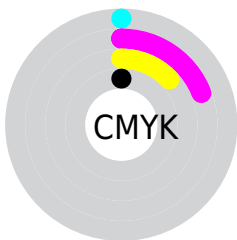
Blue (87%)



Red (100%)

Yellow (81%)

Blue (87%)

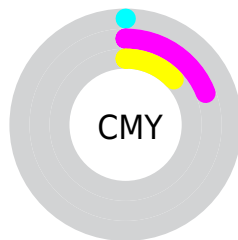


Cyan (0%)

Magenta (19%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3625, 70.6231, 78.0135 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 76.3625, 70.6231, 78.0135 by changing the saturation by 10% instead.



 76.3625, 70.6231,  
78.0135

 76.3625, 70.6231,  
78.0135


471.5130,  
462.7348, 507.7418

 57.0279, 52.0347,  
57.5686


127.2168,  
120.0969, 132.3552

 41.2679, 37.0327,  
41.0495


159.4673,  
151.7511, 167.0890

 28.7170, 25.2328,  
28.0378


196.7537,  
188.5293, 207.4229

 19.0101, 16.2506,  
18.1148

239.4414,  
230.8160, 253.7754

 11.7816, 9.7017,  
10.8622

287.8959,  
278.9954, 306.5649

 6.6663, 5.2016,  
5.8612

342.4824,

 3.2988, 2.3660,

333.4521, 366.2102

2.6935

403.5663,  
394.5705, 433.1296

■ 1.3136, 0.8083,  
0.9401

■ 0.1934, 0.0000,  
0.0000

■ 76.3625, 70.6231,  
78.0135

■ 76.3625, 70.6231,  
78.0135

■ 68.4796, 58.4336,  
64.3609

■ 85.4930, 84.9096,  
93.3099

■ 61.7839, 48.2333,  
52.2913

95.0500, 100.0000,  
108.9000

■ 56.2171, 39.9182,  
41.7465

■ 51.7137, 33.3710,  
32.6628

■ 48.2013, 28.4613,  
24.9716

■ 45.5981, 25.0406,  
18.5983

■ 43.8076, 22.9328,  
13.4596

■ 42.6891, 21.8745,  
9.4534

■ 42.6168, 21.8107,  
9.1802

# Harmonies

## Analogous

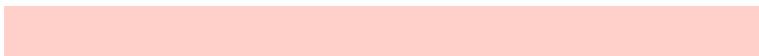
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8697, 70.6231, 91.3432



76.3625, 70.6231, 78.0135



75.2879, 70.6231, 65.7793

# Triad

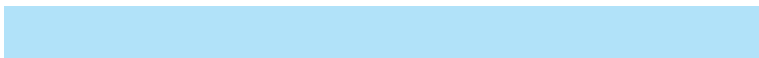
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3625, 70.6231, 78.0135



63.1219, 70.6231, 56.5284



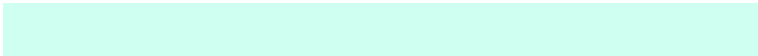
62.4789, 70.6231, 100.3165

# Complementary

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



76.3625, 70.6231, 78.0135



76.9442, 90.9342, 95.9384

# 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.



59.5748, 70.6231, 89.2007



76.3625, 70.6231, 78.0135



59.9339, 70.6231, 64.0596

# Square

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



76.3625, 70.6231, 78.0135



67.5140, 70.6231, 54.2487



58.6645, 70.6231, 75.7903



66.7378, 70.6231, 105.1055

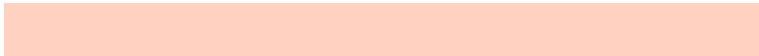


# Rectangle

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



76.3625, 70.6231, 78.0135



73.2863, 70.6231, 59.6826



58.6645, 70.6231, 75.7903



61.3194, 70.6231, 97.1379

# Sweetspot

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



76.3641, 70.6261, 78.0150



88.6992, 89.9586, 98.5818



75.8834, 69.8008, 104.0812



18.8434, 19.0312, 20.8681



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

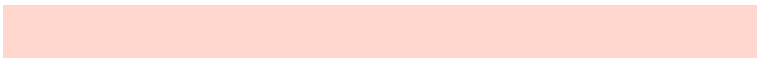
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3641, 70.6261, 78.0150



73.2350, 65.7684, 72.6545



76.6788, 74.3114, 68.6985



18.2382, 18.0786, 19.8718



22.3262, 11.4198, 5.1022



2.2201, 1.1304, 0.7404



# Inverse Universe

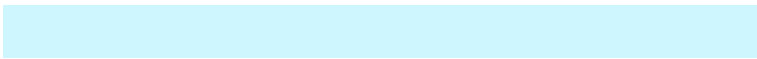
The Inverse Universe completely reimagines the original color for something new.



76.3641, 70.6261, 78.0150



73.2350, 65.7684, 72.6545



76.4665, 86.2650, 107.2283



18.2382, 18.0786, 19.8718



22.3262, 11.4198, 5.1022



2.2201, 1.1304, 0.7404



# Previews

## White Background



This preview shows how the XYZ color 76.3625, 70.6231, 78.0135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

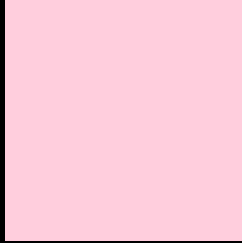
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3625, 70.6231, 78.0135 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 76.3625, 70.6231, 78.0135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3625, 70.6231, 78.0135.



This preview shows how white text looks on a background with the XYZ color 76.3625, 70.6231,



# 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

76.3625, 70.6231, 78.0135

### Protanopia

68.5902, 70.9599, 83.4803

### Deuteranopia

72.3969, 70.7795, 77.5562



## Tritanopia

76.4961, 70.6765, 78.7174

# Trichromacy



## Original Color

76.3625, 70.6231, 78.0135

## Protanomaly

71.2414, 70.8530, 81.1553

## Deuteranomaly

73.6210, 70.6730, 77.4711

## Tritanomaly

76.4961, 70.6765, 78.7174

# Monochromacy



## Original Color

76.3625, 70.6231, 78.0135

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.6724, 71.8781, 79.2036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3625, 70.6231, 78.0135 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, 206, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 221)  
}
```

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, 206, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3625, 70.6231, 78.0135 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, 206, 221) }
```



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

```
.border{ border-color:rgb(255, 206, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3625, 70.6231, 78.0135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 221) }
```

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

```
.background{ background-color: rgb(255,  
206, 221) }
```

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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