

# Converting Colors

XYZ(76.0552, 70.3992, 76.7069)

Have a look what the booklet for  
XYZ(76.0552, 70.3992, 76.7069)  
contains.

<b>XYZ(76.0975, 70.5171, 76.6182)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.0975, 70.5171,  
76.6182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEDB
RGB	255, 206, 219
RGB Percent	100%, 81%, 86%
CMY	0.0000, 0.1921, 0.1412
CMYK	0.00, 0.19, 0.14, 0.00
HSL	344°, 100%, 90%
HSV	344°, 19%, 100%
XYZ	76.0975, 70.5171, 76.6182
YIQ	222.1330, 25.0310, 14.4310

# Conversions

## Conversions Part 2

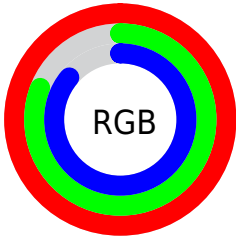
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 206, 219
Decimal	16764635
CIE Lab	87.25, 19.24, 0.13
CIE LCh	87, 19.239, 0.375
Yxy	70.5171, 0.3409, 0.3159
Android (android.graphics.Color)	4294954715 (0xFFFFCEDB)
YUV	222.1330, -1.5446, 28.8244
Hunter-Lab	83.9745, 14.8011, 4.6860

# Details

The XYZ color **76.0975, 70.5171, 76.6182** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.2430, 91.0538, 97.5121**, and the grayscale version is **69.5248, 73.1455, 79.6554**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2178, 37.1426, 40.1188** is the 20% darker color. If you saturate the color by 10%, you get **68.1200, 58.2898, 62.4669**, and if you desaturate by 10%, it is **85.3519, 84.8532, 92.5668**.

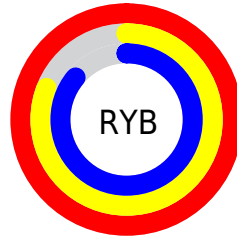
# Distribution



Red (100%)

Green (81%)

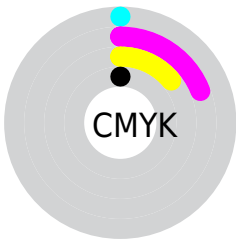
Blue (86%)



Red (100%)

Yellow (81%)

Blue (86%)

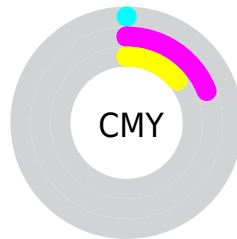


Cyan (0%)

Magenta (19%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0975, 70.5171, 76.6182 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 76.0975, 70.5171, 76.6182 by changing the saturation by 10% instead.




 76.0975, 70.5171,  
76.6182

 76.0975, 70.5171,  
76.6182


470.6207,  
462.3636, 502.8643

 56.8098, 51.9482,  
56.4299


126.8443,  
119.9459, 130.3685

 41.0921, 36.9638,  
40.1414

159.0342,  
151.5746, 164.7675

 28.5790, 25.1795,  
27.3342

196.2555,  
188.3253, 204.7405

 18.9053, 16.2108,  
17.5897

238.8735,  
230.5825, 250.7061

 11.7055, 9.6735,  
10.4894

287.2537,  
278.7305, 303.0827

 6.6142, 5.1830,  
5.6148

341.7614,

 3.2662, 2.3550,

333.1538, 362.2889

2.5473

402.7619,  
394.2366, 428.7433

■ 1.2960, 0.8026,  
0.8651

■ 0.1803, 0.0000,  
0.0000

■ 76.0975, 70.5171,  
76.6182

■ 76.0975, 70.5171,  
76.6182

■ 68.1200, 58.2898,  
62.4669

■ 85.3519, 84.8532,  
92.5668

■ 61.3572, 48.0627,  
50.0442

95.0500, 100.0000,  
108.9000

■ 55.7494, 39.7311,  
39.2835

■ 51.2293, 33.1772,  
30.1118

■ 47.7226, 28.2698,  
22.4507

■ 45.1454, 24.8596,  
16.2143

■ 43.3988, 22.7693,  
11.3069

■ 42.3394, 21.7346,  
7.6119

■ 42.2723, 21.6729,  
7.3662

# Harmonies

## Analogous

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



74.8678, 70.5171, 89.7556



76.0975, 70.5171, 76.6182



74.8065, 70.5171, 64.8687

# Triad

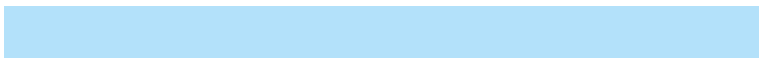
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0975, 70.5171, 76.6182



62.7245, 70.5171, 57.2448



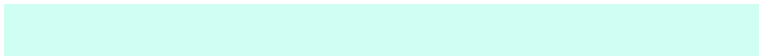
62.8189, 70.5171, 100.5173

# Complementary

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



76.0975, 70.5171, 76.6182



77.2430, 91.0538, 97.5121

# 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.



59.8016, 70.5171, 90.0693



76.0975, 70.5171, 76.6182



59.7488, 70.5171, 65.1214

# Square

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



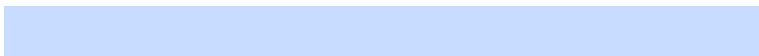
76.0975, 70.5171, 76.6182



66.9675, 70.5171, 54.4813



58.7027, 70.5171, 76.9443



67.0813, 70.5171, 104.4614



# Rectangle

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



76.0975, 70.5171, 76.6182



72.7221, 70.5171, 59.1589



58.7027, 70.5171, 76.9443



61.6323, 70.5171, 97.5955

# Sweetspot

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



76.0991, 70.5201, 76.6197



88.6043, 89.9207, 98.0821



76.7184, 70.2313, 104.1202



18.8211, 19.0223, 20.7503



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

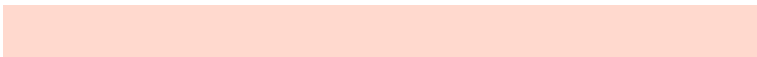
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0991, 70.5201, 76.6197



72.9308, 65.6467, 71.0527



77.3072, 75.5683, 68.9080



18.2072, 18.0662, 19.7081



22.1403, 11.3454, 4.1235



2.1986, 1.1218, 0.6272



# Inverse Universe

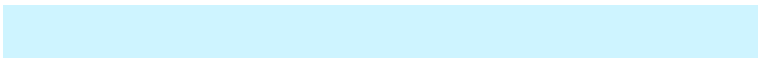
The Inverse Universe completely reimagines the original color for something new.



76.0991, 70.5201, 76.6197



72.9308, 65.6467, 71.0527



75.7262, 84.7844, 106.9816



18.2072, 18.0662, 19.7081



22.1403, 11.3454, 4.1235

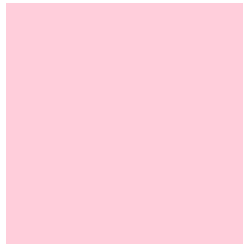


2.1986, 1.1218, 0.6272



# Previews

## White Background



This preview shows how the XYZ color 76.0975, 70.5171, 76.6182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

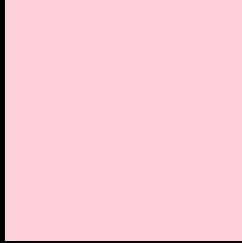
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0975, 70.5171, 76.6182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

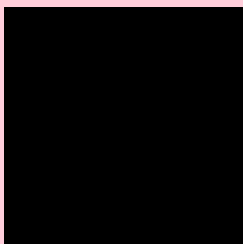
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.0975, 70.5171, 76.6182**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0975, 70.5171, 76.6182.



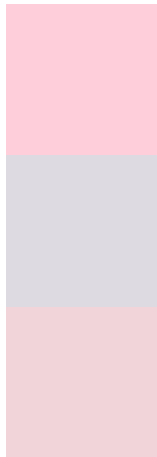
This preview shows how white text looks on a background with the XYZ color 76.0975, 70.5171,

76.6182.

# 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

76.0975, 70.5171, 76.6182

### Protanopia

68.6177, 71.0059, 82.0405

### Deuteranopia

72.1336, 70.6742, 76.1693



## Tritanopia

76.4961, 70.6765, 78.7174

# Trichromacy



## Original Color

76.0975, 70.5171, 76.6182

## Protanomaly

70.9701, 70.7445, 79.7266

## Deuteranomaly

73.3577, 70.5676, 76.0842

## Tritanomaly

76.3625, 70.6231, 78.0135

# Monochromacy



## Original Color

76.0975, 70.5171, 76.6182

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.5387, 71.8246, 78.4997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0975, 70.5171, 76.6182 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0975, 70.5171, 76.6182 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, 219) }
```



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

```
.border{ border-color:rgb(255, 206, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0975, 70.5171, 76.6182 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
206, 219) }
```

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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