

# Converting Colors

XYZ(76.6469, 71.9428, 75.7935)

Have a look what the booklet for  
XYZ(76.6469, 71.9428, 75.7935)  
contains.

<b>XYZ(76.5648, 71.8707, 75.4827)</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(76.5648, 71.8707,  
75.4827)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD1D9
RGB	255, 209, 217
RGB Percent	100%, 82%, 85%
CMY	0.0000, 0.1804, 0.1490
CMYK	0.00, 0.18, 0.15, 0.00
HSL	350°, 100%, 91%
HSV	350°, 18%, 100%
XYZ	76.5648, 71.8707, 75.4827
YIQ	223.6660, 24.8480, 12.2400

# Conversions

## Conversions Part 2

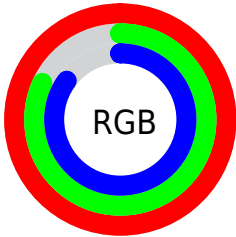
Format	Color
R <sub>Y</sub> B	255, 209, 217
Decimal	16765401
CIE Lab	87.91, 17.36, 2.14
CIE LCh	88, 17.489, 7.032
Yxy	71.8707, 0.3419, 0.3210
Android (android.graphics.Color)	4294955481 (0xFFFFD1D9)
YUV	223.6660, -3.2863, 27.4799
Hunter-Lab	84.7766, 12.8508, 6.5535

# Details

The XYZ color **76.5648, 71.8707, 75.4827** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.8455, 91.7919, 101.5615**, and the grayscale version is **70.6250, 74.3030, 80.9160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3659, 37.7256, 39.2840** is the 20% darker color. If you saturate the color by 10%, you get **68.2344, 59.3187, 60.0386**, and if you desaturate by 10%, it is **86.2499, 86.5714, 93.1060**.

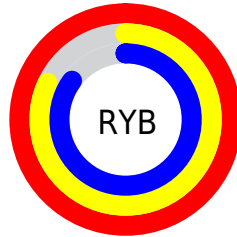
# Distribution



Red (100%)

Green (82%)

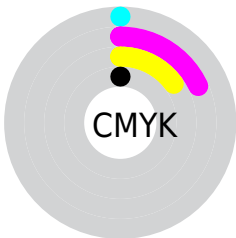
Blue (85%)



Red (100%)

Yellow (82%)

Blue (85%)

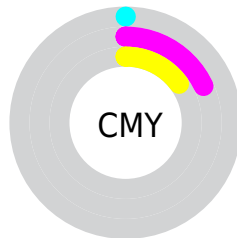


Cyan (0%)

Magenta (18%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5648, 71.8707, 75.4827 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 76.5648, 71.8707, 75.4827 by changing the saturation by 10% instead.



 76.5648, 71.8707,  
75.4827

 76.5648, 71.8707,  
75.4827


472.1936,  
467.0914, 498.8747

 57.1944, 53.0531,  
55.5043


127.5011,  
121.8727, 128.7488

 41.4021, 37.8451,  
39.4043


159.7977,  
153.8258, 162.8736

 28.8225, 25.8625,  
26.7642


197.1338,  
190.9262, 202.5509

 19.0902, 16.7208,  
17.1653

239.8747,  
233.5583, 248.1993

 11.8398, 10.0356,  
10.1892

288.3858,  
282.1065, 300.2374

 6.7061, 5.4226,  
5.4174

343.0324,

 3.3237, 2.4973,

336.9551, 359.0836

2.4312

404.1799,  
398.4887, 425.1565

■ 1.3272, 0.8753,  
0.8033

■ 0.2034, 0.0000,  
0.0000

■ 76.5648, 71.8707,  
75.4827

■ 76.5648, 71.8707,  
75.4827

■ 68.2344, 59.3187,  
60.0386

■ 86.2499, 86.5714,  
93.1060

■ 61.1927, 48.8058,  
46.6842

95.0500, 100.0000,  
108.9000

■ 55.3761, 40.2266,  
35.3304

■ 50.7135, 33.4628,  
25.8796

■ 47.1262, 28.3828,  
18.2263

■ 44.5255, 24.8374,  
12.2542

■ 42.8079, 22.6507,  
7.8328

■ 41.8375, 21.5859,  
4.8081

■ 41.7008, 21.4443,  
4.3566

# Harmonies

## Analogous

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



75.9469, 71.8707, 87.5430



76.5648, 71.8707, 75.4827



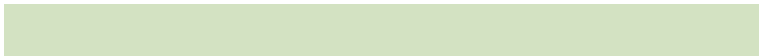
74.9004, 71.8707, 65.2480

# Triad

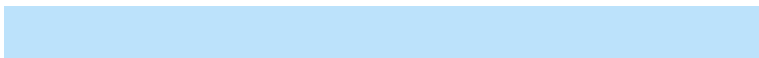
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5648, 71.8707, 75.4827



63.6039, 71.8707, 61.3483



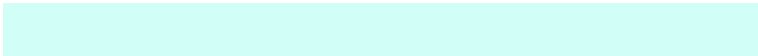
65.2356, 71.8707, 101.3094

# Complementary

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



76.5648, 71.8707, 75.4827



78.8455, 91.7919, 101.5615

# 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.



62.1198, 71.8707, 92.8849



76.5648, 71.8707, 75.4827



61.2048, 71.8707, 69.6483

# Square

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



76.5648, 71.8707, 75.4827



67.3360, 71.8707, 57.6420



60.6727, 71.8707, 81.0943



69.2953, 71.8707, 103.2754



# Rectangle

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



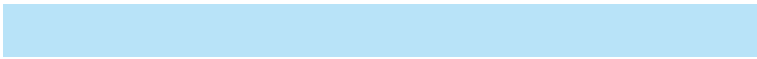
76.5648, 71.8707, 75.4827



72.7587, 71.8707, 60.5592



60.6727, 71.8707, 81.0943



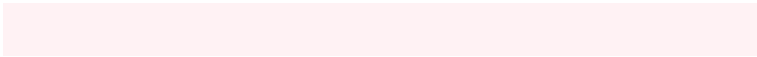
64.0482, 71.8707, 99.1003

# Sweetspot

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



76.5666, 71.8738, 75.4842



89.4667, 91.4732, 98.9004



79.0575, 72.5197, 104.4387



18.9877, 19.3323, 20.8778



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

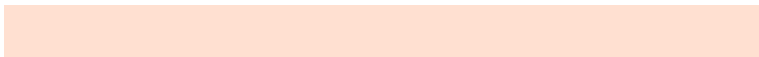
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5666, 71.8738, 75.4842



73.1060, 66.6471, 69.1071



79.2899, 78.9447, 71.3845



18.1382, 18.0386, 19.3451



21.8268, 11.2200, 2.4722



2.1590, 1.1060, 0.4188



# Inverse Universe

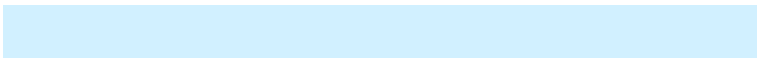
The Inverse Universe completely reimagines the original color for something new.



76.5666, 71.8738, 75.4842



73.1060, 66.6471, 69.1071



75.6346, 83.3530, 106.7101



18.1382, 18.0386, 19.3451



21.8268, 11.2200, 2.4722

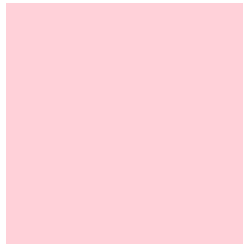


2.1590, 1.1060, 0.4188



# Previews

## White Background



This preview shows how the XYZ color 76.5648, 71.8707, 75.4827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

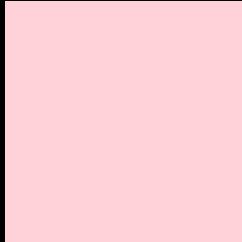
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5648, 71.8707, 75.4827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

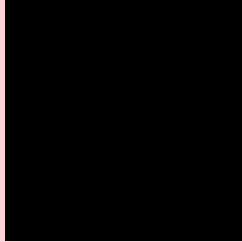
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.5648, 71.8707, 75.4827**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5648, 71.8707, 75.4827.



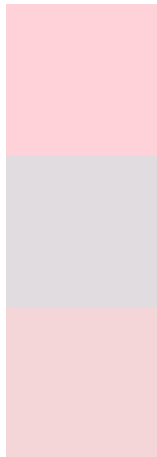
This preview shows how white text looks on a background with the XYZ color 76.5648, 71.8707,

75.4827.

# 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

76.5648, 71.8707, 75.4827

### Protanopia

69.6530, 72.3614, 80.1081

### Deuteranopia

73.4971, 71.7795, 74.9469



## Tritanopia

77.2504, 71.7536, 80.2993

# Trichromacy



## Original Color

76.5648, 71.8707, 75.4827

## Protanomaly

71.8680, 71.9944, 78.5151

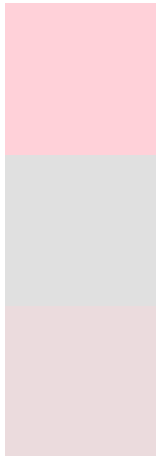
## Deuteranomaly

74.6496, 72.0013, 74.9289

## Tritanomaly

76.8470, 71.5922, 78.1750

# Monochromacy



## Original Color

76.5648, 71.8707, 75.4827

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

72.6436, 73.5457, 78.7736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5648, 71.8707, 75.4827 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, 209, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 217)  
}
```

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, 209, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5648, 71.8707, 75.4827 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, 209, 217) }
```



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

```
.border{ border-color:rgb(255, 209, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5648, 71.8707, 75.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 217) }
```

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

```
.background{ background-color: rgb(255,  
209, 217) }
```

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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