

# Converting Colors

XYZ(76.8653, 70.0587, 83.0213)

Have a look what the booklet for  
XYZ(76.8653, 70.0587, 83.0213)  
contains.

<b>XYZ(76.8365, 70.0472, 82.8695)</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(76.8365, 70.0472,  
82.8695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCE4
RGB	255, 204, 228
RGB Percent	100%, 80%, 89%
CMY	0.0000, 0.2000, 0.1059
CMYK	0.00, 0.20, 0.11, 0.00
HSL	332°, 100%, 90%
HSV	332°, 20%, 100%
XYZ	76.8365, 70.0472, 82.8695
YIQ	221.9850, 22.6920, 18.2760

# Conversions

## Conversions Part 2

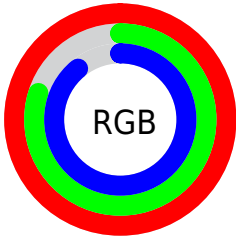
Format	Color
R <sub>Y</sub> B	255, 204, 228
Decimal	16764132
CIE Lab	87.02, 21.73, -4.98
CIE LCh	87, 22.291, 347.084
Yxy	70.0472, 0.3344, 0.3049
Android (android.graphics.Color)	4294954212 (0xFFFFCCE4)
YUV	221.9850, 2.9654, 28.9542
Hunter-Lab	83.6942, 17.4093, -0.1198

# Details

The XYZ color **76.8365, 70.0472, 82.8695** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.0880, 90.1280, 89.0437**, and the grayscale version is **69.3906, 73.0043, 79.5016**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7379, 36.8356, 44.4453** is the 20% darker color. If you saturate the color by 10%, you get **69.4629, 58.1832, 71.5233**, and if you desaturate by 10%, it is **85.3519, 83.9600, 95.3203**.

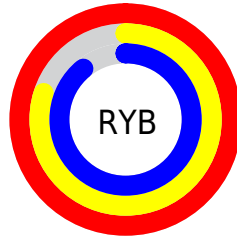
# Distribution



Red (100%)

Green (80%)

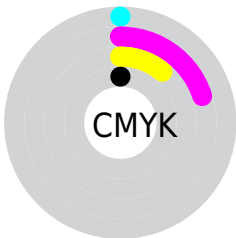
Blue (89%)



Red (100%)

Yellow (80%)

Blue (89%)

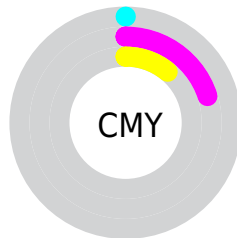


Cyan (0%)

Magenta (20%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8365, 70.0472, 82.8695 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 76.8365, 70.0472, 82.8695 by changing the saturation by 10% instead.




 76.8365, 70.0472,  
82.8695

 76.8365, 70.0472,  
82.8695

473.1069,  
460.7157, 524.5111

 57.4181, 51.5650,  
61.5425


127.8827,  
119.2761, 139.2403

 41.5825, 36.6585,  
44.2297


160.2413,  
150.7915, 175.1211

 28.9642, 24.9432,  
30.5126

197.6440,  
187.4202, 216.6904

 19.1979, 16.0347,  
19.9727

240.4562,  
229.5465, 264.3665

 11.9182, 9.5487,  
12.1913

289.0432,  
277.5548, 318.5681

 6.7598, 5.1008,  
6.7500

343.7705,

 3.3573, 2.3065,

331.8295, 379.7137

3.2302

405.0032,  
392.7550, 448.2219

■ 1.3454, 0.7772,  
1.2133

■ 0.2168, 0.0000,  
0.0000

■ 76.8365, 70.0472,  
82.8695

■ 76.8365, 70.0472,  
82.8695

■ 69.4629, 58.1832,  
71.5233

■ 85.3519, 83.9600,  
95.3203

■ 63.1748, 48.2615,  
61.2437

95.0500, 100.0000,  
108.9000

■ 57.9180, 40.1790,  
51.9967

■ 53.6317, 33.8198,  
43.7443

■ 50.2481, 29.0544,  
36.4456

■ 47.6902, 25.7346,  
30.0557

■ 45.8665, 23.6843,  
24.5240

■ 44.6299, 22.6160,  
19.7804

■ 44.6296, 22.6158,  
19.7794

# Harmonies

## Analogous

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



74.1939, 70.0472, 97.5406



76.8365, 70.0472, 82.8695



76.6290, 70.0472, 68.1408

# Triad

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



76.8365, 70.0472, 82.8695



63.6754, 70.0472, 51.9826



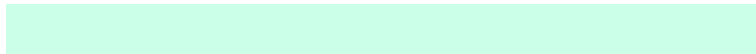
59.9813, 70.0472, 99.2911

# Complementary

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



76.8365, 70.0472, 82.8695



75.0880, 90.1280, 89.0437

# 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.



57.4463, 70.0472, 85.0202



76.8365, 70.0472, 82.8695



59.5015, 70.0472, 58.3401

# Square

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



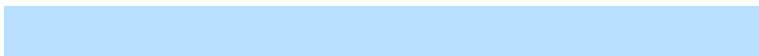
76.8365, 70.0472, 82.8695



68.8441, 70.0472, 51.5651



57.2754, 70.0472, 70.0296



64.3617, 70.0472, 107.8212



# Rectangle

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



76.8365, 70.0472, 82.8695



74.9009, 70.0472, 60.2319



57.2754, 70.0472, 70.0296



58.8952, 70.0472, 94.9276

# Sweetspot

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



76.8381, 70.0501, 82.8710



89.0848, 90.1129, 100.6126



72.3908, 67.2900, 103.7806



18.9345, 19.0677, 21.3475



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.



76.8381, 70.0501, 82.8710



73.7524, 65.0606, 78.1988



73.9367, 69.2137, 66.5932



18.3652, 18.1294, 20.5401



23.3940, 11.8469, 10.7250



2.3324, 1.1754, 1.3321



# Inverse Universe

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



76.8381, 70.0501, 82.8710



73.7524, 65.0606, 78.1988



78.4430, 91.0372, 108.0453



18.3652, 18.1294, 20.5401



23.3940, 11.8469, 10.7250



2.3324, 1.1754, 1.3321



# Previews

## White Background



This preview shows how the XYZ color 76.8365, 70.0472, 82.8695 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

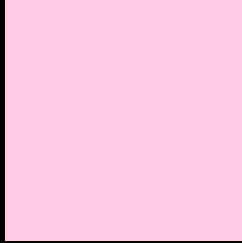
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8365, 70.0472, 82.8695 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 76.8365, 70.0472, 82.8695**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8365, 70.0472, 82.8695.



This preview shows how white text looks on a background with the XYZ color 76.8365, 70.0472,



# 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

76.8365, 70.0472, 82.8695

### Protanopia

68.5684, 70.4336, 89.3380

### Deuteranopia

72.0007, 70.4659, 82.4795



## Tritanopia

75.7555, 69.9539, 77.9163

# Trichromacy



## Original Color

76.8365, 70.0472, 82.8695

## Protanomaly

71.2065, 69.9591, 86.8413

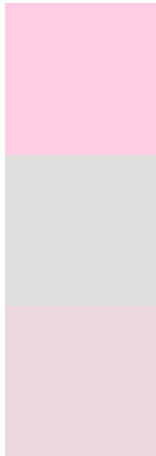
## Deuteranomaly

73.6277, 70.2017, 82.3427

## Tritanomaly

76.1589, 70.1153, 80.0406

# Monochromacy



## Original Color

76.8365, 70.0472, 82.8695

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.6867, 71.4751, 80.5388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8365, 70.0472, 82.8695 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, 204, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 228)  
}
```

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, 204, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8365, 70.0472, 82.8695 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, 204, 228) }
```



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

```
.border{ border-color:rgb(255, 204, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8365, 70.0472, 82.8695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 228) }
```

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

```
.background{ background-color: rgb(255,  
204, 228) }
```

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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