

# Converting Colors

XYZ(83.1185, 80.1200, 92.6440)

Have a look what the booklet for  
XYZ(83.1185, 80.1200, 92.6440)  
contains.

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# Color

**XYZ(83.2077, 80.2673,  
92.7690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFEF
RGB	255, 223, 239
RGB Percent	100%, 87%, 94%
CMY	0.0000, 0.1255, 0.0627
CMYK	0.00, 0.13, 0.06, 0.00
HSL	330°, 100%, 94%
HSV	330°, 13%, 100%
XYZ	83.2077, 80.2673, 92.7690
YIQ	234.3920, 13.9360, 11.7600

# Conversions

## Conversions Part 2

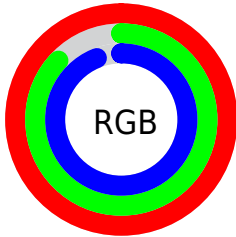
Format	Color
R <sub>Y</sub> B	255, 223, 239
Decimal	16769007
CIE Lab	91.80, 13.64, -3.73
CIE LCh	92, 14.139, 344.693
Yxy	80.2673, 0.3247, 0.3132
Android (android.graphics.Color)	4294959087 (0xFFFFDFEF)
YUV	234.3920, 2.2717, 18.0732
Hunter-Lab	89.5920, 8.9941, 1.3220

# Details

The XYZ color **83.2077, 80.2673, 92.7690** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.7738, 93.4411, 95.3907**, and the grayscale version is **78.4812, 82.5683, 89.9169**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8386, 43.4299, 50.7666** is the 20% darker color. If you saturate the color by 10%, you get **75.0832, 66.9273, 81.0928**, and if you desaturate by 10%, it is **92.4946, 95.7188, 105.4907**.

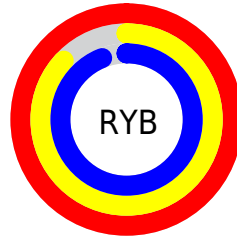
# Distribution



Red (100%)

Green (87%)

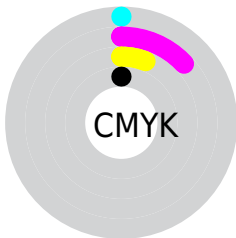
Blue (94%)



Red (100%)

Yellow (87%)

Blue (94%)

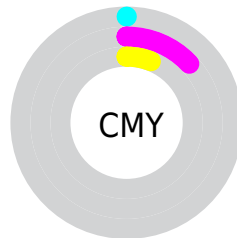


Cyan (0%)

Magenta (13%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2077, 80.2673, 92.7690 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 83.2077, 80.2673, 92.7690 by changing the saturation by 10% instead.




 83.2077, 80.2673,  
92.7690

 83.2077, 80.2673,  
92.7690


494.2519,  
495.8332, 557.7986

 62.6790, 59.9383,  
69.6929


136.7933,  
133.7415, 153.1477

 45.8392, 43.3689,  
50.8010

170.5810,  
167.6555, 191.2874

 32.3231, 30.1747,  
35.6746

209.5190,  
206.8666, 235.2854

 21.7651, 19.9712,  
23.8953

253.9727,  
251.7593, 285.5602

 13.8001, 12.3741,  
15.0445

304.3075,  
302.7179, 342.5304

 8.0625, 6.9990,  
8.7036

360.8888,

 4.1871, 3.4615,

360.1268, 406.6145

4.4542

424.0818,  
424.3705, 478.2310

■ 1.8085, 1.3771,  
1.8777

■ 0.5228, 0.1998,  
0.4785

■ 83.2077, 80.2673,  
92.7690

■ 83.2077, 80.2673,  
92.7690

■ 75.0832, 66.9273,  
81.0928

■ 92.4946, 95.7188,  
105.4907

■ 68.0674, 55.5968,  
70.4273

95.0500, 100.0000,  
108.9000

■ 62.1100, 46.1793,  
60.7431

■ 57.1549, 38.5669,  
52.0071

■ 53.1400, 32.6407,  
44.1838

■ 49.9962, 28.2673,  
37.2346

■ 47.6441, 25.2930,  
31.1171

■ 45.9878, 23.5319,  
25.7825

■ 45.1027, 22.8051,  
22.2708

# Harmonies

## Analogous

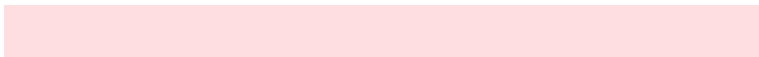
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2951, 80.2673, 102.3562



83.2077, 80.2673, 92.7690



83.2282, 80.2673, 82.4357

# Triad

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



83.2077, 80.2673, 92.7690



74.5389, 80.2673, 69.4899



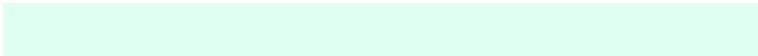
71.4474, 80.2673, 102.1884

# Complementary

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



83.2077, 80.2673, 92.7690



81.7738, 93.4411, 95.3907

# Split Complementary

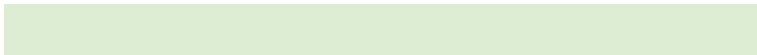
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.7517, 80.2673, 92.5544



83.2077, 80.2673, 92.7690



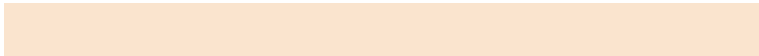
71.4979, 80.2673, 73.9721

# Square

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



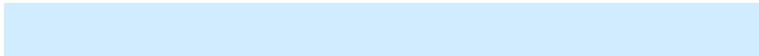
83.2077, 80.2673, 92.7690



78.1449, 80.2673, 69.5374



69.7699, 80.2673, 82.2373



74.4680, 80.2673, 108.0803

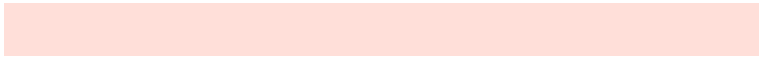


# Rectangle

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



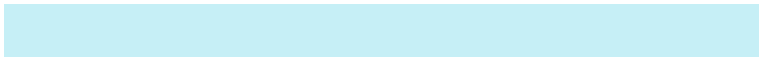
83.2077, 80.2673, 92.7690



82.1620, 80.2673, 76.5299



69.7699, 80.2673, 82.2373



70.7078, 80.2673, 99.2480

# Sweetspot

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



83.2094, 80.2705, 92.7707



91.0715, 93.3397, 103.5763



80.0368, 78.3497, 105.5123



19.3375, 19.7188, 21.9594



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.



83.2094, 80.2705, 92.7707



81.1104, 76.8057, 89.8104



80.9493, 79.3665, 80.8689



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0338



2.3571, 1.1852, 1.4620



# Inverse Universe

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



83.2094, 80.2705, 92.7707



81.1104, 76.8057, 89.8104



84.2432, 94.4289, 108.3943



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0338

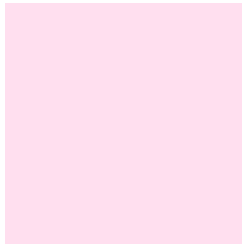


2.3571, 1.1852, 1.4620



# Previews

## White Background



This preview shows how the XYZ color 83.2077, 80.2673, 92.7690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

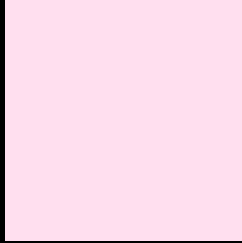
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2077, 80.2673, 92.7690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

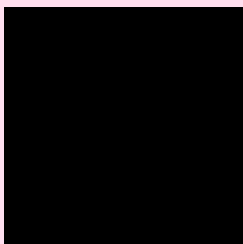
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.2077, 80.2673, 92.7690**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2077, 80.2673, 92.7690.



This preview shows how white text looks on a background with the XYZ color 83.2077, 80.2673,

92.7690.

# 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

83.2077, 80.2673, 92.7690

### Protanopia

77.7532, 80.2205, 96.1801

### Deuteranopia

82.2889, 80.5917, 92.8800



## Tritanopia

83.3559, 80.3266, 93.5493

# Trichromacy



## Original Color

83.2077, 80.2673, 92.7690

## Protanomaly

79.4313, 79.8742, 95.2352

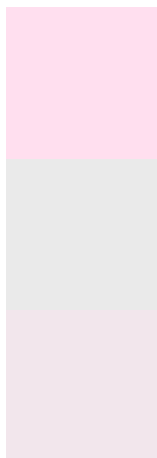
## Deuteranomaly

82.3805, 80.2388, 92.8071

## Tritanomaly

83.3559, 80.3266, 93.5493

# Monochromacy



## Original Color

83.2077, 80.2673, 92.7690

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

80.0551, 81.5270, 90.8738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2077, 80.2673, 92.7690 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, 223, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 239)  
}
```

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, 223, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2077, 80.2673, 92.7690 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, 223, 239) }
```



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

```
.border{ border-color:rgb(255, 223, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2077, 80.2673, 92.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 239) }
```

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

```
.background{ background-color: rgb(255,  
223, 239) }
```

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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