

# Converting Colors

XYZ(80.9364, 77.7967, 85.6245)

Have a look what the booklet for  
XYZ(80.9364, 77.7967, 85.6245)  
contains.

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# Color

**XYZ(80.8544, 77.6362,  
85.5867)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDBE6
RGB	255, 219, 230
RGB Percent	100%, 86%, 90%
CMY	0.0000, 0.1412, 0.0980
CMYK	0.00, 0.14, 0.10, 0.00
HSL	342°, 100%, 93%
HSV	342°, 14%, 100%
XYZ	80.8544, 77.6362, 85.5867
YIQ	231.0180, 17.9250, 11.0530

# Conversions

## Conversions Part 2

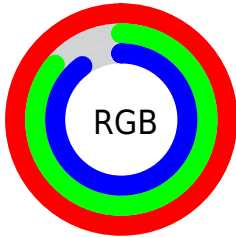
Format	Color
R <sub>Y</sub> B	255, 219, 230
Decimal	16767974
CIE Lab	90.61, 14.22, -0.76
CIE LCh	91, 14.239, 356.937
Yxy	77.6362, 0.3313, 0.3181
Android (android.graphics.Color)	4294958054 (0xFFFFDBE6)
YUV	231.0180, -0.5019, 21.0322
Hunter-Lab	88.1114, 9.6035, 4.0869

# Details

The XYZ color **80.8544, 77.6362, 85.5867** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.3051, 93.1129, 99.2790**, and the grayscale version is **75.9649, 79.9210, 87.0340**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3020, 41.6518, 46.2621** is the 20% darker color. If you saturate the color by 10%, you get **72.3425, 64.3922, 71.0962**, and if you desaturate by 10%, it is **90.6417, 93.0258, 101.7511**.

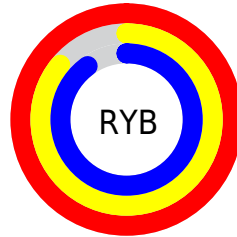
# Distribution



Red (100%)

Green (86%)

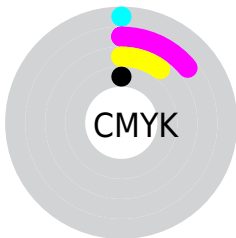
Blue (90%)



Red (100%)

Yellow (86%)

Blue (90%)

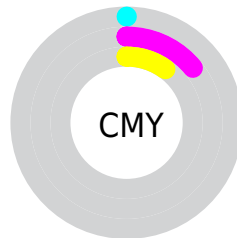


Cyan (0%)

Magenta (14%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8544, 77.6362, 85.5867 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 80.8544, 77.6362, 85.5867 by changing the saturation by 10% instead.




 80.8544, 77.6362,  
85.5867

 80.8544, 77.6362,  
85.5867


486.5004,  
486.9304, 533.7626

 60.7326, 57.7752,  
63.7733


133.5105,  
130.0372, 143.0740

 44.2611, 41.6279,  
46.0221


166.7756,  
163.3459, 179.5851

 31.0746, 28.8101,  
31.9145


205.1523,  
201.9059, 221.8324

 20.8078, 18.9372,  
21.0319

249.0063,  
246.1018, 270.2346

 13.0952, 11.6249,  
12.9559

298.7027,  
296.3177, 325.2102

 7.5716, 6.4888,  
7.2678

354.6069,

 3.8716, 3.1445,

352.9382, 387.1776

3.5492

417.0844,  
416.3477, 456.5556

■ 1.6297, 1.2076,  
1.3814

■ 0.4117, 0.0679,  
0.1272

■ 80.8544, 77.6362,  
85.5867

■ 80.8544, 77.6362,  
85.5867

■ 72.3425, 64.3922,  
71.0962

■ 90.6417, 93.0258,  
101.7511

■ 65.0467, 53.1887,  
58.2198

95.0500, 100.0000,  
108.9000

■ 58.9114, 43.9261,  
46.9010

■ 53.8739, 36.4928,  
37.0783

■ 49.8658, 30.7655,  
28.6854

■ 46.8102, 26.6058,  
21.6509

■ 44.6190, 23.8531,  
15.8962

■ 43.1856, 22.3117,  
11.3325

■ 42.6115, 21.8086,  
9.1520

# Harmonies

## Analogous

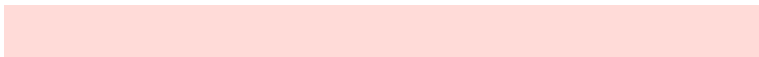
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6899, 77.6362, 95.7091



80.8544, 77.6362, 85.5867



80.0764, 77.6362, 75.9422

# Triad

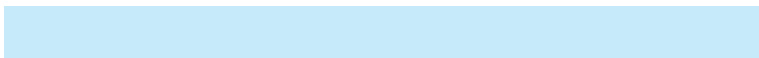
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8544, 77.6362, 85.5867



70.7270, 77.6362, 68.2012



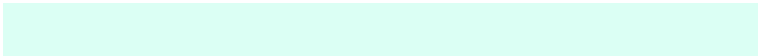
70.1116, 77.6362, 102.0878

# Complementary

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



80.8544, 77.6362, 85.5867



81.3051, 93.1129, 99.2790

# 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.



67.8432, 77.6362, 93.7476



80.8544, 77.6362, 85.5867



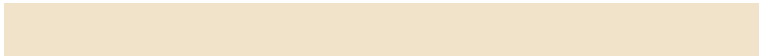
68.1904, 77.6362, 74.2620

# Square

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



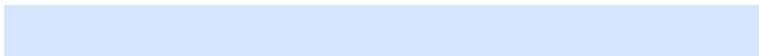
80.8544, 77.6362, 85.5867



74.1580, 77.6362, 66.3946



67.1512, 77.6362, 83.4872



73.4250, 77.6362, 105.7053

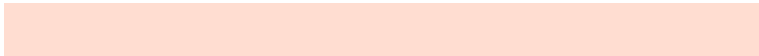


# Rectangle

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



80.8544, 77.6362, 85.5867



78.5742, 77.6362, 70.9774



67.1512, 77.6362, 83.4872



69.2058, 77.6362, 99.7123

# Sweetspot

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



80.8562, 77.6395, 85.5883



90.7622, 93.2160, 101.9473



80.5533, 77.0482, 105.2339



19.2593, 19.6875, 21.5477



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

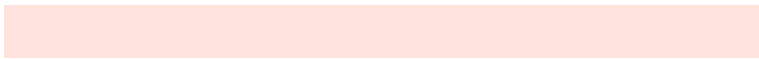
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8562, 77.6395, 85.5883



78.2720, 73.6025, 81.2387



81.1160, 80.5529, 78.2950



18.2378, 18.0784, 19.8694



22.3233, 11.4186, 5.0871



2.2198, 1.1303, 0.7387



# Inverse Universe

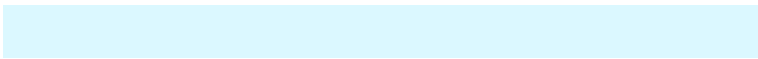
The Inverse Universe completely reimagines the original color for something new.



80.8562, 77.6395, 85.5883



78.2720, 73.6025, 81.2387



80.9561, 89.6627, 107.6475



18.2378, 18.0784, 19.8694



22.3233, 11.4186, 5.0871

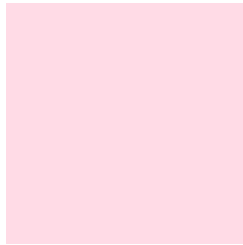


2.2198, 1.1303, 0.7387



# Previews

## White Background



This preview shows how the XYZ color 80.8544, 77.6362, 85.5867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

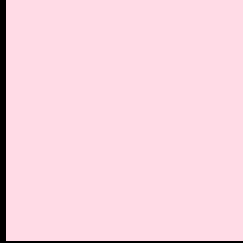
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.8544, 77.6362, 85.5867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

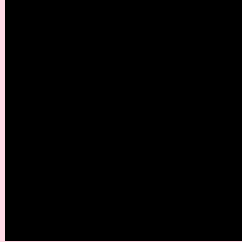
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.8544, 77.6362, 85.5867

## Background



This preview shows how black text looks on a background with the XYZ color 80.8544, 77.6362, 85.5867.



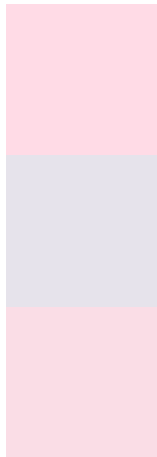
This preview shows how white text looks on a background with the XYZ color 80.8544, 77.6362,



# 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

80.8544, 77.6362, 85.5867

### Protanopia

75.0976, 77.7593, 89.6482

### Deuteranopia

79.5637, 77.7501, 85.6767



## Tritanopia

81.3068, 77.4010, 89.2518

# Trichromacy



## Original Color

80.8544, 77.6362, 85.5867

## Protanomaly

76.9602, 77.5452, 88.0023

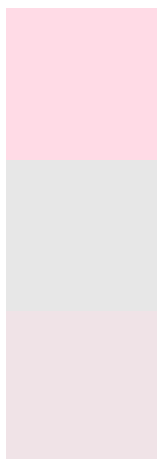
## Deuteranomaly

80.0210, 77.5950, 85.6227

## Tritanomaly

81.0194, 77.2860, 87.7383

# Monochromacy



## Original Color

80.8544, 77.6362, 85.5867

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.8281, 79.2330, 86.7928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.8544, 77.6362, 85.5867 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, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 230)  
}
```

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, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 80.8544, 77.6362, 85.5867 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, 219, 230) }
```



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

```
.border{ border-color:rgb(255, 219, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.8544, 77.6362, 85.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 230) }
```

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

```
.background{ background-color: rgb(255,  
219, 230) }
```

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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