

# Converting Colors

XYZ(77.8409, 74.5417, 88.9571)

Have a look what the booklet for  
XYZ(77.8409, 74.5417, 88.9571)  
contains.

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# Color

**XYZ(77.6536, 74.3732,  
88.8599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7D7EB
RGB	247, 215, 235
RGB Percent	97%, 84%, 92%
CMY	0.0314, 0.1568, 0.0784
CMYK	0.00, 0.13, 0.05, 0.03
HSL	323°, 67%, 91%
HSV	323°, 13%, 97%
XYZ	77.6536, 74.3732, 88.8599
YIQ	226.8480, 12.6520, 13.0040

# Conversions

## Conversions Part 2

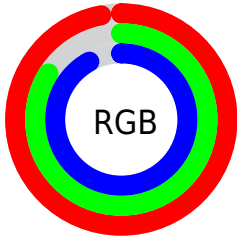
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	247, 215, 235
Decimal	16242667
CIE Lab	89.10, 14.41, -5.70
CIE LCh	89, 15.498, 338.434
Yxy	74.3732, 0.3224, 0.3087
Android (android.graphics.Color)	4294432747 (0xFFF7D7EB)
YUV	226.8480, 4.0189, 17.6733
Hunter-Lab	86.2399, 9.8082, -0.7233

# Details

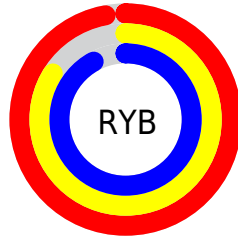
The XYZ color **77.6536, 74.3732, 88.8599** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.1531, 86.5167, 85.4156**, and the grayscale version is **72.8703, 76.6653, 83.4885**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9427, 39.3434, 48.0312** is the 20% darker color. If you saturate the color by 10%, you get **70.5294, 62.2104, 80.0534**, and if you desaturate by 10%, it is **85.8013, 88.4693, 98.3533**.

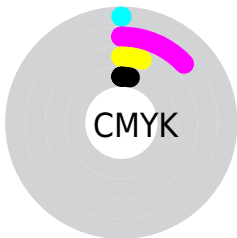
# Distribution



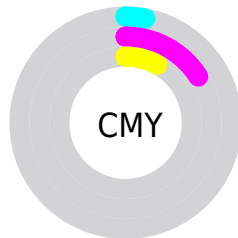
- Red (97%)
- Green (84%)
- Blue (92%)



- Red (97%)
- Yellow (84%)
- Blue (92%)



- Cyan (0%)
- Magenta (13%)
- Yellow (5%)
- Black (3%)



- Cyan (3%)
- Magenta (16%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6536, 74.3732, 88.8599 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 77.6536, 74.3732, 88.8599 by changing the saturation by 10% instead.



77.6536, 74.3732,  
88.8599

77.6536, 74.3732,  
88.8599

475.8474,  
475.7604, 544.7892

58.0913, 55.0995,  
66.4671

129.0296,  
125.4247, 147.6754

42.1256, 39.4814,  
48.1928

161.5741,  
157.9713, 184.9351

29.3912, 27.1345,  
33.6185

199.1765,  
195.7111, 227.9875

19.5227, 17.6742,  
22.3257

242.2025,  
239.0284, 277.2512

12.1548, 10.7164,  
13.8958

291.0171,  
288.3075, 333.1447

6.9221, 5.8764,  
7.9103

345.9860,

3.4594, 2.7701,

343.9330, 396.0865

3.9507

407.4743,  
406.2892, 466.4952

■ 1.4011, 1.0129,  
1.5983

■ 0.2570, 0.0000,  
0.2896

■ 77.6536, 74.3732,  
88.8599

■ 77.6536, 74.3732,  
88.8599

■ 70.5294, 62.2104,  
80.0534

■ 85.8013, 88.4693,  
98.3533

■ 64.3789, 51.8860,  
71.9092

■ 91.9323, 98.4200,  
107.5226

■ 59.1574, 43.3115,  
64.4082

■ 92.1682, 98.5144,  
108.7651

■ 54.8141, 36.3873,  
57.5279

■ 51.2935, 31.0036,  
51.2443

■ 48.5329, 27.0372,  
45.5308

■ 46.4603, 24.3459,  
40.3575

■ 44.9884, 22.7573,  
35.6893

■ 44.2213, 22.1196,  
32.6695

# Harmonies

## Analogous

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



75.2959, 74.3732, 98.3705



77.6536, 74.3732, 88.8599



78.1117, 74.3732, 77.9704

# Triad

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



77.6536, 74.3732, 88.8599



69.6308, 74.3732, 62.1163



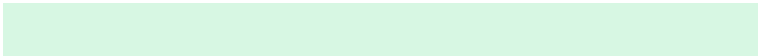
65.1573, 74.3732, 94.5944

# Complementary

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



77.6536, 74.3732, 88.8599



75.1531, 86.5167, 85.4156

# 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.



63.7530, 74.3732, 84.0656



77.6536, 74.3732, 88.8599



66.2749, 74.3732, 65.7699

# Square

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



77.6536, 74.3732, 88.8599



73.3900, 74.3732, 63.1526



64.1547, 74.3732, 73.5799



68.0561, 74.3732, 101.8809

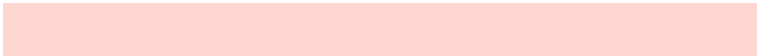


# Rectangle

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



77.6536, 74.3732, 88.8599



77.2632, 74.3732, 71.4839



64.1547, 74.3732, 73.5799



64.4996, 74.3732, 91.2814

# Sweetspot

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



77.6557, 74.3765, 88.8615



91.2720, 93.4199, 104.6324



72.6864, 71.6075, 97.9874



19.3883, 19.7391, 22.2267



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

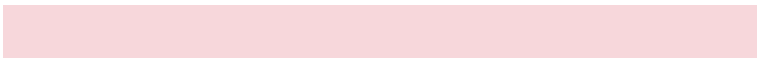
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6557, 74.3765, 88.8615



81.0205, 75.7278, 92.5497



75.4822, 73.5070, 77.4156



16.9347, 16.6567, 19.4027



23.4580, 11.7266, 17.6522



2.1115, 1.0506, 1.8133



# Inverse Universe

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



77.6557, 74.3765, 88.8615



81.0205, 75.7278, 92.5497



77.4249, 87.4254, 97.3786



16.9347, 16.6567, 19.4027



23.4580, 11.7266, 17.6522

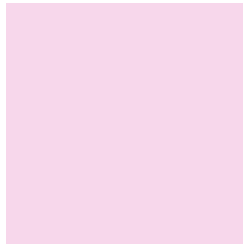


2.1115, 1.0506, 1.8133



# Previews

## White Background



This preview shows how the XYZ color 77.6536, 74.3732, 88.8599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

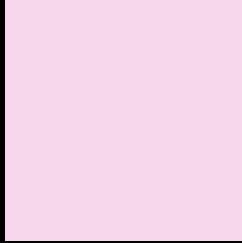
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6536, 74.3732, 88.8599 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 77.6536, 74.3732, 88.8599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6536, 74.3732, 88.8599.



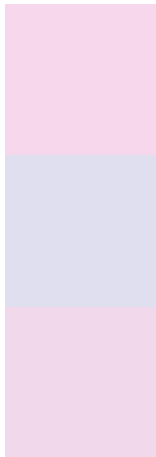
This preview shows how white text looks on a background with the XYZ color 77.6536, 74.3732,



# 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

77.6536, 74.3732, 88.8599

### Protanopia

72.5473, 74.7546, 93.0435

### Deuteranopia

76.0839, 74.3246, 88.9333



## **Tritanopia**

77.2237, 74.2012, 86.5961

# Trichromacy



## Original Color

77.6536, 74.3732, 88.8599

## Protanomaly

74.3045, 74.5153, 91.3555

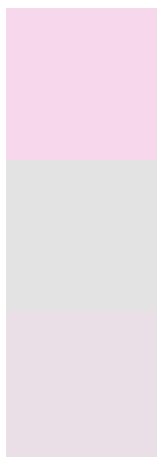
## Deuteranomaly

76.5134, 74.1646, 88.8798

## Tritanomaly

77.3662, 74.2582, 87.3464

# Monochromacy



## Original Color

77.6536, 74.3732, 88.8599

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.6023, 75.9809, 85.5967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6536, 74.3732, 88.8599 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(247, 215, 235)` looks like.

```
.text, #text, p{  
    color:rgb(247, 215, 235)  
}
```

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(247, 215, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 215, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6536, 74.3732, 88.8599 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(247, 215, 235) }
```



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

```
.border{ border-color:rgb(247, 215, 235) }
```

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

Here you see how a box with a 4 pixel rgb(247, 215, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 215, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 215, 235);  
box-shadow:4px 4px 4px 4px rgb(247, 215,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6536, 74.3732, 88.8599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 215, 235) }
```

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

```
.background{ background-color: rgb(247,  
215, 235) }
```

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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