

# Converting Colors

XYZ(78.8142, 78.5015, 90.2958)

Have a look what the booklet for  
XYZ(78.8142, 78.5015, 90.2958)  
contains.

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# Color

**XYZ(78.7581, 78.4221,  
90.3429)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3E0EC
RGB	243, 224, 236
RGB Percent	95%, 88%, 93%
CMY	0.0471, 0.1215, 0.0745
CMYK	0.00, 0.08, 0.03, 0.05
HSL	322°, 44%, 92%
HSV	322°, 8%, 95%
XYZ	78.7581, 78.4221, 90.3429
YIQ	231.0490, 7.4720, 7.7600

# Conversions

## Conversions Part 2

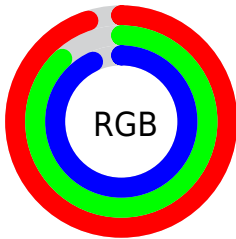
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 224, 236
Decimal	15982828
CIE <sub>Lab</sub>	90.97, 8.54, -3.50
CIE <sub>LCh</sub>	91, 9.232, 337.719
Yxy	78.4221, 0.3182, 0.3168
Android (android.graphics.Color)	4294172908 (0xFFFF3E0EC)
YUV	231.0490, 2.4408, 10.4810
Hunter-Lab	88.5563, 3.7767, 1.5032

# Details

The XYZ color **78.7581, 78.4221, 90.3429** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.2178, 85.7200, 88.0812**, and the grayscale version is **75.9725, 79.9290, 87.0427**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9197, 42.2360, 49.0703** is the 20% darker color. If you saturate the color by 10%, you get **71.4204, 65.7759, 81.6389**, and if you desaturate by 10%, it is **87.0988, 92.9678, 99.7050**.

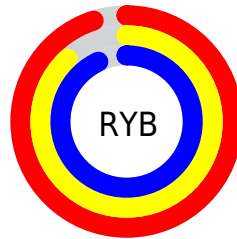
# Distribution



Red (95%)

Green (88%)

Blue (93%)



Red (95%)

Yellow (88%)

Blue (93%)

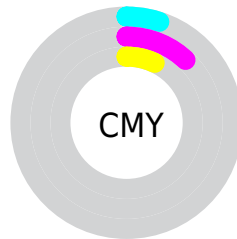


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (5%)



Cyan (5%)

Magenta (12%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7581, 78.4221, 90.3429 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 78.7581, 78.4221, 90.3429 by changing the saturation by 10% instead.




 78.7581, 78.4221,  
90.3429

 78.7581, 78.4221,  
90.3429


479.5381,  
489.5991, 549.7445

 59.0019, 58.4208,  
67.6898


130.5780,  
131.1450, 149.7543

 42.8610, 42.1470,  
49.1803


163.3724,  
164.6353, 187.3496

 29.9701, 29.2164,  
34.3959

201.2435,  
203.3908, 230.7628

 19.9639, 19.2446,  
22.9181

244.5568,  
247.7959, 280.4122

 12.4769, 11.8472,  
14.3283

293.6775,  
298.2348, 336.7166

 7.1438, 6.6397,  
8.2080

348.9711,

 3.5994, 3.2378,

355.0921, 400.0944

4.1387

410.8028,  
418.7521, 470.9642

■ 1.4781, 1.2571,  
1.7017

■ 0.3108, 0.1076,  
0.3619

■ 78.7581, 78.4221,  
90.3429

■ 78.7581, 78.4221,  
90.3429

■ 71.4204, 65.7759,  
81.6389

■ 87.0988, 92.9678,  
99.7050

■ 65.0386, 54.9397,  
73.5698

■ 90.5977, 97.7250,  
107.7786

■ 59.5719, 45.8323,  
66.1181

■ 90.7726, 97.7949,  
108.6998

■ 54.9737, 38.3621,  
59.2634

■ 51.1930, 32.4289,  
52.9839

■ 48.1735, 27.9216,  
47.2554

■ 45.8512, 24.7140,  
42.0516

■ 44.1509, 22.6572,  
37.3417

■ 42.9712, 21.5505,  
33.0867

# Harmonies

## Analogous

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



77.3107, 78.4221, 95.9383



78.7581, 78.4221, 90.3429



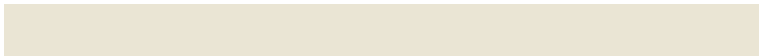
79.0632, 78.4221, 83.6776

# Triad

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



78.7581, 78.4221, 90.3429



73.9381, 78.4221, 73.3017



71.0520, 78.4221, 93.4758

# Complementary

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



78.7581, 78.4221, 90.3429



77.2178, 85.7200, 88.0812

# 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.



70.1886, 78.4221, 87.1222



78.7581, 78.4221, 90.3429



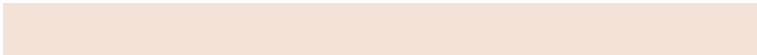
71.8321, 78.4221, 75.6416

# Square

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



78.7581, 78.4221, 90.3429



76.2483, 78.4221, 74.0642



70.4711, 78.4221, 80.6183



72.8531, 78.4221, 97.8117

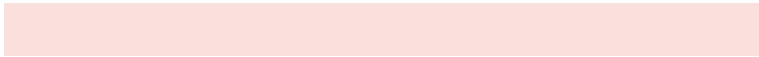


# Rectangle

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



78.7581, 78.4221, 90.3429



78.5720, 78.4221, 79.5618



70.4711, 78.4221, 80.6183



70.6442, 78.4221, 91.4926

# Sweetspot

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



78.7603, 78.4255, 90.3446



93.1434, 96.6686, 106.7791



75.7806, 76.7696, 95.6190



19.9565, 20.7260, 22.8775



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

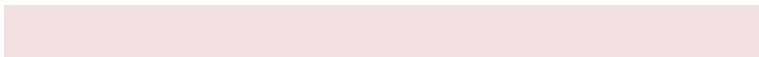
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7603, 78.4255, 90.3446



86.8287, 85.6886, 99.5896



77.4213, 77.8899, 83.2932



16.9395, 16.6586, 19.4278



23.5298, 11.7553, 18.0300



2.1175, 1.0530, 1.8450



# Inverse Universe

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



78.7603, 78.4255, 90.3446



86.8287, 85.6886, 99.5896



78.5911, 86.2694, 95.3130



16.9395, 16.6586, 19.4278



23.5298, 11.7553, 18.0300

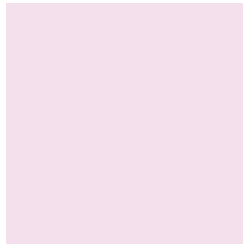


2.1175, 1.0530, 1.8450



# Previews

## White Background



This preview shows how the XYZ color 78.7581, 78.4221, 90.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

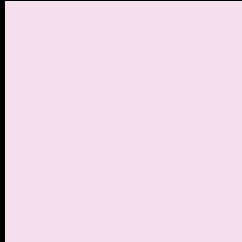
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7581, 78.4221, 90.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

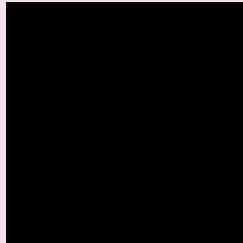
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.7581, 78.4221, 90.3429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.7581, 78.4221, 90.3429.



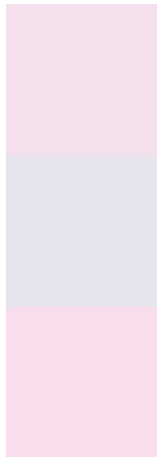
This preview shows how white text looks on a background with the XYZ color 78.7581, 78.4221,

90.3429.

# 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

78.7581, 78.4221, 90.3429

### Protanopia

76.1310, 78.6488, 92.0571

### Deuteranopia

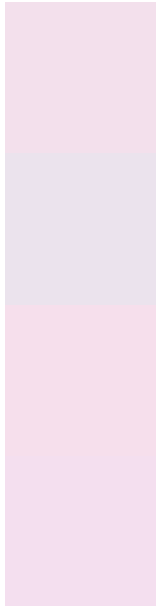
79.9730, 78.2551, 90.2466



## Tritanopia

79.5731, 78.3593, 94.1500

# Trichromacy



## Original Color

78.7581, 78.4221, 90.3429

## Protanomaly

77.0161, 78.7148, 91.2550

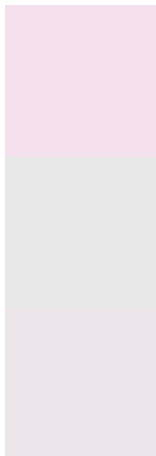
## Deuteranomaly

79.5340, 78.4243, 90.3024

## Tritanomaly

79.2759, 78.2404, 92.5850

# Monochromacy



## Original Color

78.7581, 78.4221, 90.3429

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.7123, 79.0322, 88.3024

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7581, 78.4221, 90.3429 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(243, 224, 236) looks like.

```
.text, #text, p{  
    color:rgb(243, 224, 236)  
}
```

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(243, 224, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 224, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7581, 78.4221, 90.3429 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(243, 224, 236) }
```



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

```
.border{ border-color:rgb(243, 224, 236) }
```

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

Here you see how a box with a 4 pixel rgb(243, 224, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 224, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 224, 236);  
box-shadow:4px 4px 4px 4px rgb(243, 224,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7581, 78.4221, 90.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 224, 236) }
```

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

```
.background{ background-color: rgb(243,  
224, 236) }
```

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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