

# Converting Colors

XYZ(78.1330, 80.0815, 79.7855)

Have a look what the booklet for  
XYZ(78.1330, 80.0815, 79.7855)  
contains.

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# **Color**

**XYZ(78.1028, 79.9404,  
79.7202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E4DD
RGB	244, 228, 221
RGB Percent	96%, 89%, 87%
CMY	0.0431, 0.1059, 0.1333
CMYK	0.00, 0.07, 0.09, 0.04
HSL	18°, 51%, 91%
HSV	18°, 9%, 96%
XYZ	78.1028, 79.9404, 79.7202
YIQ	231.9860, 11.7830, 1.2150

# Conversions

## Conversions Part 2

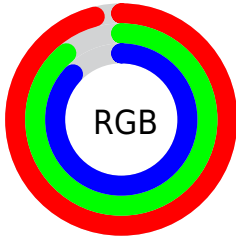
<b>Format</b>	<b>Color</b>
<b>RYB</b>	244, 231, 221
Decimal	16049373
CIELab	91.66, 4.28, 5.36
CIELCh	92, 6.857, 51.379
Yxy	79.9404, 0.3285, 0.3362
Android (android.graphics.Color)	4294239453 (0xFFFF4E4DD)
YUV	231.9860, -5.4161, 10.5363
Hunter-Lab	89.4094, -0.5393, 9.7218

# Details

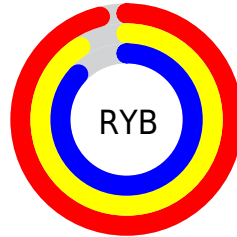
The XYZ color **78.1028, 79.9404, 79.7202** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.4319, 82.4707, 97.4789**, and the grayscale version is **76.7263, 80.7220, 87.9063**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5655, 43.3317, 42.1968** is the 20% darker color. If you saturate the color by 10%, you get **70.6444, 69.8530, 62.3439**, and if you desaturate by 10%, it is **86.4964, 91.1403, 99.7411**.

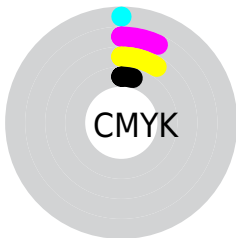
# Distribution



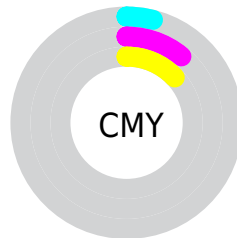
- Red (96%)
- Green (89%)
- Blue (87%)



- Red (96%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (7%)
- Yellow (9%)
- Black (4%)




- Cyan (4%)
- Magenta (11%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1028, 79.9404, 79.7202 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 78.1028, 79.9404, 79.7202 by changing the saturation by 10% instead.




 78.1028, 79.9404,  
79.7202

 78.1028, 79.9404,  
79.7202


477.3504,  
494.7320, 513.6713

 58.4615, 59.6693,  
58.9633


129.6596,  
133.2819, 134.7801

 42.4245, 43.1521,  
42.1638


162.3059,  
167.1212, 169.9202

 29.6264, 30.0045,  
28.9030


200.0178,  
206.2519, 210.6919

 19.7018, 19.8420,  
18.7625

243.1608,  
251.0585, 257.5135

 12.2855, 12.2803,  
11.3237

292.1002,  
301.9255, 310.8037

 7.0120, 6.9348,  
6.1681

347.2013,

 3.5160, 3.4214,

359.2371, 370.9811

2.8771

408.8296,  
423.3778, 438.4641

■ 1.4321, 1.3555,  
1.0322

■ 0.2790, 0.1836,  
0.0000

■ 78.1028, 79.9404,  
79.7202

■ 78.1028, 79.9404,  
79.7202

■ 70.6444, 69.8530,  
62.3439

■ 86.4964, 91.1403,  
99.7411

■ 64.0812, 60.8332,  
47.4958

■ 91.1186, 97.9733,  
108.7160

■ 58.3797, 52.8482,  
35.0584

■ 53.5021, 45.8597,  
24.9028

■ 49.4072, 39.8270,  
16.8880

■ 46.0502, 34.7063,  
10.8571

■ 43.3809, 30.4498,  
6.6314

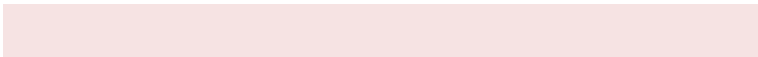
■ 41.3418, 27.0050,  
3.9992

■ 39.8516, 24.3069,  
2.6315

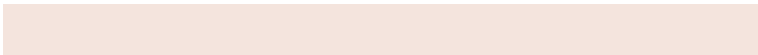
# Harmonies

## Analogous

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



79.1608, 79.9404, 83.5722



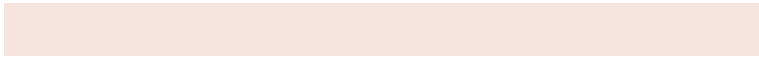
78.1028, 79.9404, 79.7202



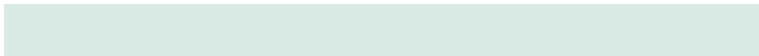
76.4870, 79.9404, 77.8481

# Triad

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



78.1028, 79.9404, 79.7202



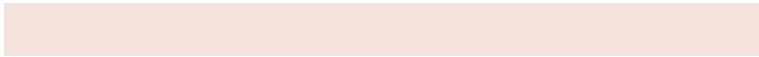
72.6991, 79.9404, 85.6034



77.2154, 79.9404, 96.3369

# Complementary

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



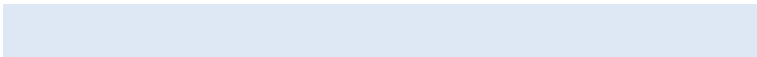
78.1028, 79.9404, 79.7202



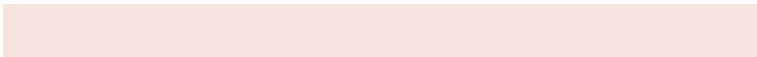
76.4319, 82.4707, 97.4789

# 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.



75.4771, 79.9404, 96.9317



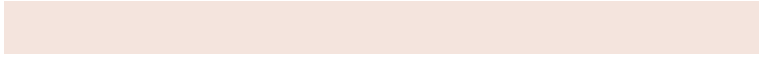
78.1028, 79.9404, 79.7202



72.8874, 79.9404, 90.6055

# Square

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



78.1028, 79.9404, 79.7202



73.3796, 79.9404, 81.1582



73.8979, 79.9404, 94.7979

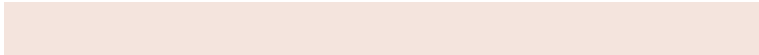


78.6431, 79.9404, 93.2025

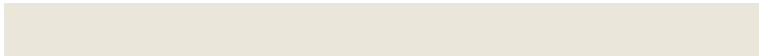


# Rectangle

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



78.1028, 79.9404, 79.7202



75.3183, 79.9404, 77.9229



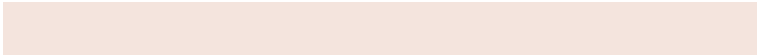
73.8979, 79.9404, 94.7979



76.6474, 79.9404, 96.8451

# Sweetspot

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



78.1050, 79.9439, 79.7219



92.1687, 96.1694, 101.9839



78.4664, 77.0674, 90.9382



19.5665, 20.3692, 21.4429



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

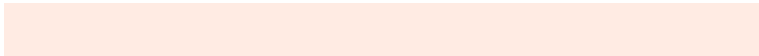


# Same Dimension

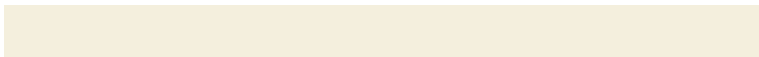
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1050, 79.9439, 79.7219



84.9477, 86.5023, 84.8563



81.3441, 86.4220, 80.8016



16.9106, 17.3054, 17.2466



21.7340, 13.3536, 1.4320



1.9970, 1.3473, 0.1548

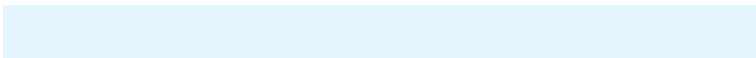


# Inverse Universe

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



76.4319, 82.4707, 97.4789



82.8079, 89.7330, 107.5635



73.2367, 76.0804, 96.4138



16.5459, 17.8562, 21.1171



16.7898, 19.3735, 49.3926

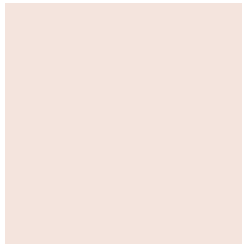


1.5660, 1.8834, 4.3712



# Previews

## White Background



This preview shows how the XYZ color 78.1028, 79.9404, 79.7202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

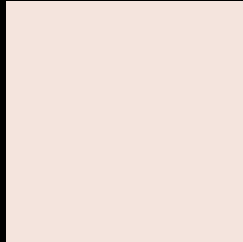
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1028, 79.9404, 79.7202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

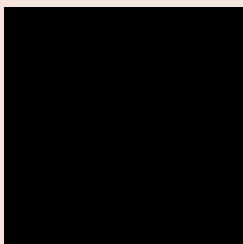
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

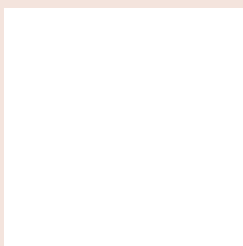
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.1028, 79.9404, 79.7202

## Background



This preview shows how black text looks on a background with the XYZ color 78.1028, 79.9404, 79.7202.



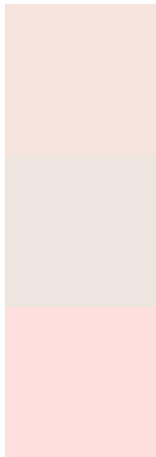
This preview shows how white text looks on a background with the XYZ color 78.1028, 79.9404,



# 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

78.1028, 79.9404, 79.7202

### Protanopia

76.4067, 79.8721, 80.4970

### Deuteranopia

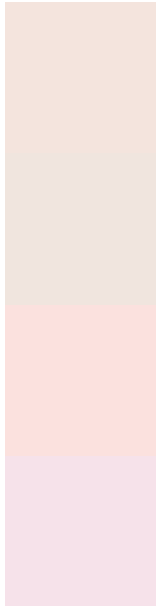
81.2149, 79.8990, 80.9536



## Tritanopia

81.3100, 80.0354, 95.1673

# Trichromacy



## Original Color

78.1028, 79.9404, 79.7202

## Protanomaly

77.1393, 79.8378, 80.4518

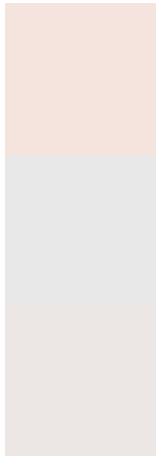
## Deuteranomaly

79.8937, 79.6336, 80.2672

## Tritanomaly

80.0537, 79.9261, 89.0499

# Monochromacy



## Original Color

78.1028, 79.9404, 79.7202

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.1716, 80.5861, 84.8861

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1028, 79.9404, 79.7202 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(244, 228, 221) looks like.

```
.text, #text, p{  
    color:rgb(244, 228, 221)  
}
```

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(244, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 228, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1028, 79.9404, 79.7202 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(244, 228, 221) }
```



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

```
.border{ border-color:rgb(244, 228, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 228, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(244, 228,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1028, 79.9404, 79.7202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 228, 221) }
```

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

```
.background{ background-color: rgb(244,  
228, 221) }
```

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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