

# Converting Colors

XYZ(78.3270, 82.2612, 74.0321)

Have a look what the booklet for  
XYZ(78.3270, 82.2612, 74.0321)  
contains.

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# Color

**XYZ(78.3308, 82.2644,  
74.0375)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F4E9D4                     |
| RGB         | 244, 233, 212              |
| RGB Percent | 96%, 91%, 83%              |
| CMY         | 0.0431, 0.0863, 0.1686     |
| CMYK        | 0.00, 0.05, 0.13, 0.04     |
| HSL         | 39°, 59%, 89%              |
| HSV         | 39°, 13%, 96%              |
| XYZ         | 78.3308, 82.2644, 74.0375  |
| YIQ         | 233.8950, 13.2970, -4.1990 |

# Conversions

## Conversions Part 2

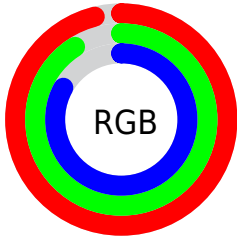
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 229, 244, 212                 |
| Decimal                             | 16050644                      |
| CIE Lab                             | 92.69, 0.28, 11.53            |
| CIE LCh                             | 93, 11.532, 88.602            |
| Yxy                                 | 82.2644, 0.3338,<br>0.3506    |
| Android<br>(android.graphics.Color) | 4294240724<br>(0xFFF4E9D4)    |
| YUV                                 | 233.8950, -10.7942,<br>8.8621 |
| Hunter-Lab                          | 90.6997, -4.5670,<br>15.0918  |

# Details

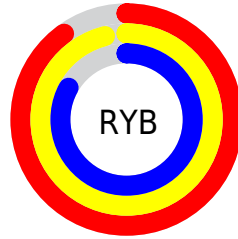
The XYZ color **78.3308, 82.2644, 74.0375** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.8679, 73.3026, 96.0550**, and the grayscale version is **78.2012, 82.2738, 89.5962**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5470, 44.5700, 38.2587** is the 20% darker color. If you saturate the color by 10%, you get **73.1659, 76.4933, 58.2606**, and if you desaturate by 10%, it is **84.0782, 88.4544, 92.3054**.

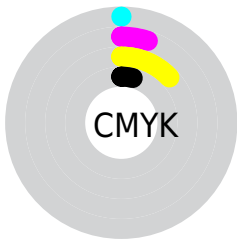
# Distribution



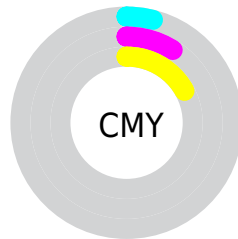
- Red (96%)
- Green (91%)
- Blue (83%)



- Red (90%)
- Yellow (96%)
- Blue (83%)



- Cyan (0%)
- Magenta (5%)
- Yellow (13%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3308, 82.2644, 74.0375 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 78.3308, 82.2644, 74.0375 by changing the saturation by 10% instead.



78.3308, 82.2644,  
74.0375

78.3308, 82.2644,  
74.0375

478.1122,  
502.5317, 493.7696

58.6495, 61.5835,  
54.3278

129.9792,  
136.5447, 126.6835

42.5763, 44.6962,  
38.4688

162.6771,  
170.9129, 160.4568

29.7459, 31.2182,  
26.0421

200.4445,  
210.6124, 199.7551

19.7929, 20.7651,  
16.6291

243.6468,  
256.0274, 244.9969

12.3520, 12.9524,  
9.8112

292.6493,  
307.5425, 296.6007

7.0578, 7.3958,  
5.1700

347.8175,

3.5449, 3.7108,

365.5419, 354.9851

2.2869

409.5167,  
430.4102, 420.5685

■ 1.4480, 1.5132,  
0.7239

■ 0.2901, 0.2980,  
0.0000

■ 78.3308, 82.2644,  
74.0375

■ 78.3308, 82.2644,  
74.0375

■ 73.1659, 76.4933,  
58.2606

■ 84.0782, 88.4544,  
92.3054

■ 68.5544, 71.1187,  
44.8592

■ 89.4739, 94.6839,  
108.1678

■ 64.4746, 66.1323,  
33.7168

■ 91.1185, 97.9733,  
108.7160

■ 60.9006, 61.5210,  
24.7046

■ 57.8038, 57.2709,  
17.6810

■ 55.1524, 53.3664,  
12.4867

■ 52.9100, 49.7903,  
8.9381

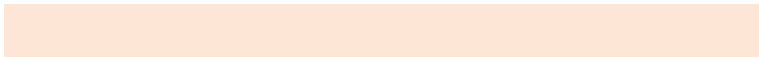
■ 51.0326, 46.5219,  
6.8121

■ 49.9075, 44.4312,  
5.9457

# Harmonies

## Analogous

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



81.2366, 82.2644, 76.1862



78.3308, 82.2644, 74.0375



75.4583, 82.2644, 75.8246

# Triad

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



78.3308, 82.2644, 74.0375



73.2295, 82.2644, 97.7233



83.2223, 82.2644, 98.4657

# Complementary

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



78.3308, 82.2644, 74.0375



69.8679, 73.3026, 96.0550

# Split Complementary

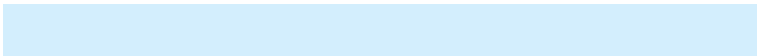
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9865, 82.2644, 104.8879



78.3308, 82.2644, 74.0375



75.2203, 82.2644, 104.4404

# Square

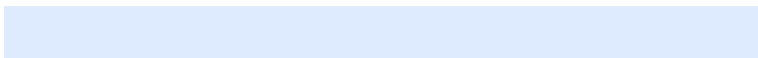
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3308, 82.2644, 74.0375



72.5587, 82.2644, 89.1691



78.0491, 82.2644, 107.1402



84.1050, 82.2644, 89.9760

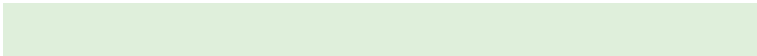


# Rectangle

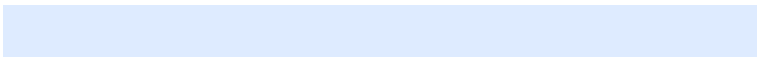
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3308, 82.2644, 74.0375



73.9383, 82.2644, 79.0762



78.0491, 82.2644, 107.1402



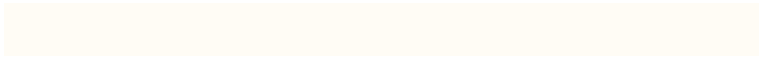
82.6013, 82.2644, 100.9576

# Sweetspot

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



78.3330, 82.2680, 74.0393



92.3430, 97.1446, 100.1100



74.1989, 71.6597, 79.8755



19.6588, 20.6798, 21.0848



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

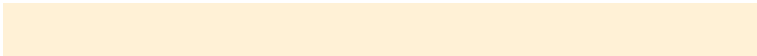


# Same Dimension

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



78.3330, 82.2680, 74.0393



84.8529, 89.0247, 76.4636



79.8994, 87.8412, 75.0324



17.4073, 18.2988, 17.4121



27.2689, 24.4234, 3.2770



2.4921, 2.3374, 0.3198



# Inverse Universe

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



69.8679, 73.3026, 96.0550



73.6436, 77.1536, 105.6184



68.4295, 68.3409, 95.1731



16.0467, 16.8576, 20.9507



10.7101, 7.2140, 47.3660

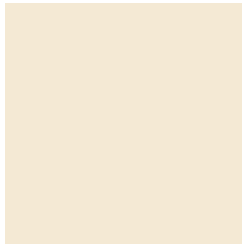


1.0332, 0.8178, 4.1936



# Previews

## White Background



This preview shows how the XYZ color 78.3308, 82.2644, 74.0375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

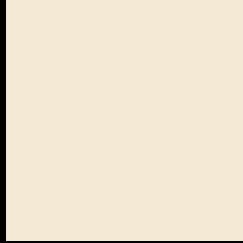
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3308, 82.2644, 74.0375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

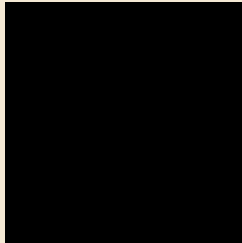
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

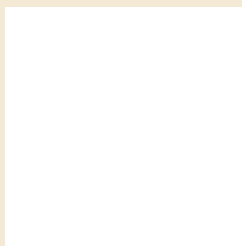
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.3308, 82.2644, 74.0375**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.3308, 82.2644, 74.0375.



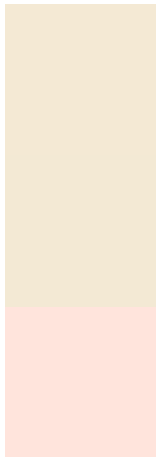
This preview shows how white text looks on a background with the XYZ color 78.3308, 82.2644,

74.0375.

# 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

78.3308, 82.2644, 74.0375

### Protanopia

77.9847, 82.0860, 74.0213

### Deuteranopia

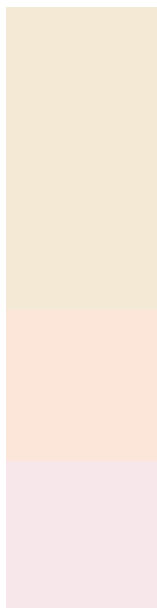
81.9017, 81.9141, 79.2045



## Tritanopia

83.4449, 82.2804, 98.6725

# Trichromacy



## Original Color

78.3308, 82.2644, 74.0375

## Protanomaly

77.9847, 82.0860, 74.0213

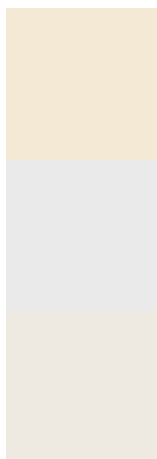
## Deuteranomaly

80.6049, 82.1126, 77.2466

## Tritanomaly

81.5059, 82.3083, 89.4332

# Monochromacy



## Original Color

78.3308, 82.2644, 74.0375

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.4102, 82.5138, 83.7456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3308, 82.2644, 74.0375 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, 233, 212) looks like.

```
.text, #text, p{  
    color:rgb(244, 233, 212)  
}
```

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, 233, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 233, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3308, 82.2644, 74.0375 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, 233, 212) }
```



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

```
.border{ border-color:rgb(244, 233, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 233, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 233, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 233, 212); box-shadow:4px 4px 4px 4px rgb(244, 233, 212) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3308, 82.2644, 74.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 233, 212) }
```

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

```
.background{ background-color: rgb(244,  
233, 212) }
```

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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