

# Converting Colors

XYZ(82.8973, 88.1586, 78.7134)

Have a look what the booklet for  
XYZ(82.8973, 88.1586, 78.7134)  
contains.

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# **Color**

**XYZ(82.8216, 87.9290,  
78.9365)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F8F1DA                     |
| RGB         | 248, 241, 218              |
| RGB Percent | 97%, 95%, 85%              |
| CMY         | 0.0274, 0.0549, 0.1451     |
| CMYK        | 0.00, 0.03, 0.12, 0.03     |
| HSL         | 46°, 68%, 91%              |
| HSV         | 46°, 12%, 97%              |
| XYZ         | 82.8216, 87.9290, 78.9365  |
| YIQ         | 240.4710, 11.5550, -5.6690 |

# Conversions

## Conversions Part 2

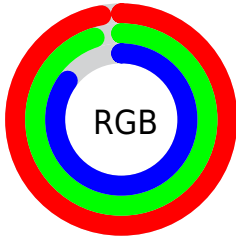
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 227, 248, 218                 |
| Decimal                             | 16314842                      |
| CIE <sub>Lab</sub>                  | 95.13, -1.44, 11.94           |
| CIE <sub>LCh</sub>                  | 95, 12.025, 96.886            |
| Yxy                                 | 87.9290, 0.3317,<br>0.3522    |
| Android<br>(android.graphics.Color) | 4294504922<br>(0xFFFF8F1DA)   |
| YUV                                 | 240.4710, -11.0782,<br>6.6029 |
| Hunter-Lab                          | 93.7705, -6.4404,<br>15.7287  |

# Details

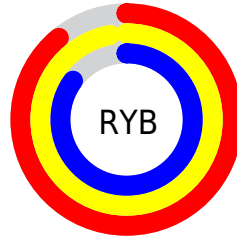
The XYZ color **82.8216, 87.9290, 78.9365** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.7818, 75.5318, 99.5509**, and the grayscale version is **83.2734, 87.6101, 95.4074**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4457, 48.4186, 41.6008** is the 20% darker color. If you saturate the color by 10%, you get **78.1322, 83.3605, 62.5423**, and if you desaturate by 10%, it is **88.0557, 92.8082, 97.9100**.

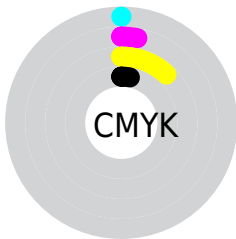
# Distribution



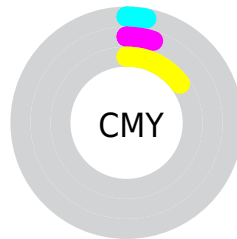
- Red (97%)
- Green (95%)
- Blue (85%)



- Red (89%)
- Yellow (97%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (12%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8216, 87.9290, 78.9365 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 82.8216, 87.9290, 78.9365 by changing the saturation by 10% instead.



82.8216, 87.9290,  
78.9365

82.8216, 87.9290,  
78.9365

492.9847,  
521.2707, 510.9534

62.3594, 66.2643,  
58.3226

136.2554,  
144.4583, 133.6673

45.5799, 48.4870,  
41.6516

169.9577,  
180.0917, 168.6213

32.1176, 34.2127,  
28.5051

208.8041,  
221.1500, 209.1924

21.6073, 23.0570,  
18.4644

253.1599,  
268.0178, 255.7992

13.6837, 14.6356,  
11.1110

303.3905,  
321.0794, 308.8601

7.9812, 8.5641,  
6.0265

359.8613,

4.1346, 4.4579,

380.7191, 368.7938

2.7921

422.9376,  
447.3214, 436.0187

■ 1.7786, 1.9329,  
0.9895

■ 0.5047, 0.5680,  
0.0000

■ 82.8216, 87.9290,  
78.9365

■ 82.8216, 87.9290,  
78.9365

■ 78.1322, 83.3605,  
62.5423

■ 88.0557, 92.8082,  
97.9100

■ 73.9585, 79.0816,  
48.6085

■ 91.7519, 97.1569,  
108.5251

■ 70.2792, 75.0857,  
37.0150

■ 92.5218, 98.6967,  
108.7817

■ 67.0687, 71.3619,  
27.6296

■ 64.2988, 67.8980,  
20.3067

■ 61.9381, 64.6807,  
14.8832

■ 59.9505, 61.6946,  
11.1711

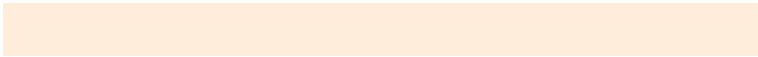
■ 58.2924, 58.9214,  
8.9440

■ 57.1629, 56.8589,  
7.9621

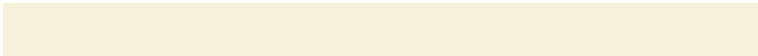
# Harmonies

## Analogous

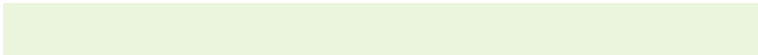
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0691, 87.9290, 80.1002



82.8216, 87.9290, 78.9365



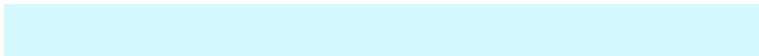
79.8528, 87.9290, 82.0342

# Triad

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



82.8216, 87.9290, 78.9365



78.6403, 87.9290, 106.9713



89.4971, 87.9290, 102.9916

# Complementary

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



82.8216, 87.9290, 78.9365



72.7818, 75.5318, 99.5509

# Split Complementary

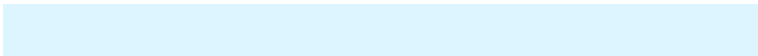
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4087, 87.9290, 110.8926



82.8216, 87.9290, 78.9365



81.1274, 87.9290, 113.2930

# Square

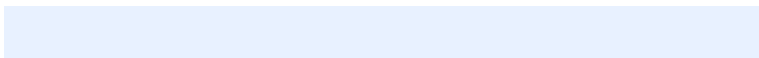
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8216, 87.9290, 78.9365



77.4799, 87.9290, 97.9170



84.3307, 87.9290, 114.7728

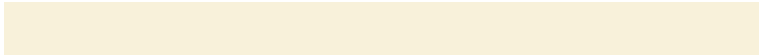


89.9793, 87.9290, 93.5950



# Rectangle

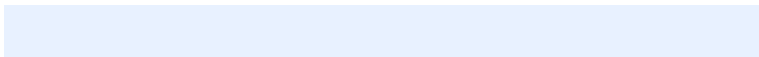
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8216, 87.9290, 78.9365



78.4124, 87.9290, 86.2262



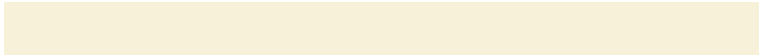
84.3307, 87.9290, 114.7728



88.9571, 87.9290, 105.9285

# Sweetspot

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



82.8240, 87.9329, 78.9384



92.6969, 97.8523, 100.2279



77.3745, 75.5367, 81.7373



19.7485, 20.8592, 21.1148



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.



82.8240, 87.9329, 78.9384



86.7123, 92.2176, 78.7048



82.1585, 90.7230, 79.5120



18.3642, 19.4643, 18.2515



30.9916, 30.9398, 4.3385



2.9505, 3.0259, 0.4285



# Inverse Universe

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



72.7818, 75.5318, 99.5509



73.6974, 76.1462, 105.4212



73.3799, 73.0902, 99.0481



16.6115, 17.2997, 21.8490



10.0534, 5.4625, 48.4980

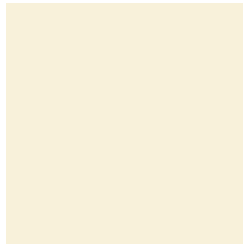


1.0084, 0.6605, 4.5175



# Previews

## White Background



This preview shows how the XYZ color 82.8216, 87.9290, 78.9365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

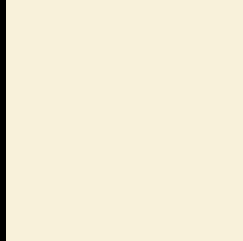
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8216, 87.9290, 78.9365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

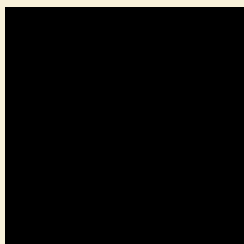
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.8216, 87.9290, 78.9365**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8216, 87.9290, 78.9365.



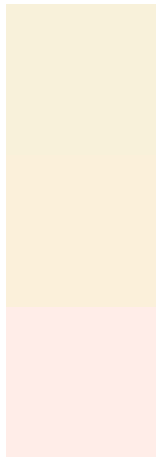
This preview shows how white text looks on a background with the XYZ color 82.8216, 87.9290,

78.9365.

# 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

82.8216, 87.9290, 78.9365

### Protanopia

83.5986, 87.8914, 78.8883

### Deuteranopia

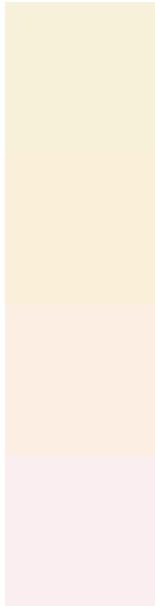
86.0897, 87.6546, 88.7255



## Tritanopia

88.3929, 88.0293, 106.0985

# Trichromacy



## Original Color

82.8216, 87.9290, 78.9365

## Protanomaly

83.2393, 87.7061, 78.8715

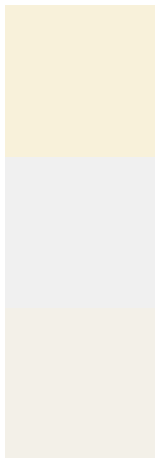
## Deuteranomaly

84.5845, 87.3906, 85.0830

## Tritanomaly

86.2354, 88.0092, 95.6615

# Monochromacy



## Original Color

82.8216, 87.9290, 78.9365

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.6877, 87.2011, 88.8173

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8216, 87.9290, 78.9365 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(248, 241, 218) looks like.

```
.text, #text, p{  
    color:rgb(248, 241, 218)  
}
```

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(248, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 241, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8216, 87.9290, 78.9365 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(248, 241, 218) }
```



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

```
.border{ border-color:rgb(248, 241, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(248, 241,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8216, 87.9290, 78.9365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 241, 218) }
```

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

```
.background{ background-color: rgb(248,  
241, 218) }
```

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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