

# Converting Colors

XYZ(82.7821, 89.2058, 79.8748)

Have a look what the booklet for  
XYZ(82.7821, 89.2058, 79.8748)  
contains.

<b>XYZ(82.7931, 89.2283, 79.8770)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.7931, 89.2283,  
79.8770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F4DB
RGB	245, 244, 219
RGB Percent	96%, 96%, 86%
CMY	0.0392, 0.0431, 0.1412
CMYK	0.00, 0.00, 0.11, 0.04
HSL	58°, 57%, 91%
HSV	58°, 11%, 96%
XYZ	82.7931, 89.2283, 79.8770
YIQ	241.4490, 8.6210, -7.5630

# Conversions

## Conversions Part 2

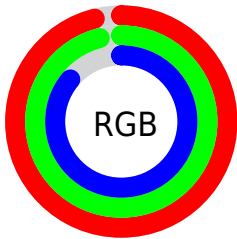
Format	Color
RYP	220, 245, 219
Decimal	16119003
CIELab	95.68, -3.84, 12.17
CIElCh	96, 12.759, 107.535
Yxy	89.2283, 0.3287, 0.3542
Android (android.graphics.Color)	4294309083 (0xFFFF5F4DB)
YUV	241.4490, -11.0674, 3.1142
Hunter-Lab	94.4607, -8.8543, 15.9863

# Details

The XYZ color **82.7931, 89.2283, 79.8770** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.2881, 72.8380, 96.6890**, and the grayscale version is **84.0447, 88.4216, 96.2911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6703, 49.4656, 42.2627** is the 20% darker color. If you saturate the color by 10%, you get **79.5216, 87.4722, 64.0275**, and if you desaturate by 10%, it is **86.5456, 91.1850, 98.2311**.

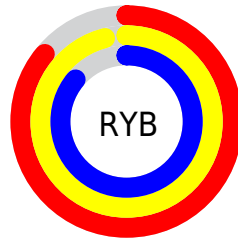
# Distribution



Red (96%)

Green (96%)

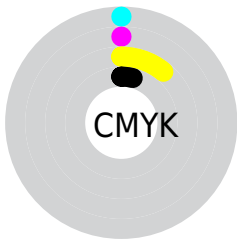
Blue (86%)



Red (86%)

Yellow (96%)

Blue (86%)

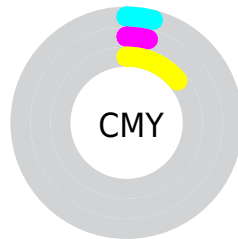


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7931, 89.2283, 79.8770 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 82.7931, 89.2283, 79.8770 by changing the saturation by 10% instead.



82.7931, 89.2283,  
79.8770

82.7931, 89.2283,  
79.8770

492.8911,  
525.5173, 514.2141

62.3358, 67.3408,  
59.0916

136.2157,  
146.2660, 135.0026

45.5607, 49.3616,  
42.2663

169.9117,  
182.1850, 170.1799

32.1025, 34.9064,  
28.9828

208.7513,  
223.5499, 210.9915

21.5957, 23.5908,  
18.8223

253.0999,  
270.7451, 257.8561

13.6751, 15.0304,  
11.3665

303.3228,  
324.1551, 311.1920

7.9752, 8.8407,  
6.1966

359.7854,

4.1308, 4.6374,

384.1642, 371.4180

2.8943

422.8530,  
451.1568, 438.9525

■ 1.7764, 2.0361,  
1.0409

■ 0.5034, 0.6283,  
0.0000

■ 82.7931, 89.2283,  
79.8770

■ 82.7931, 89.2283,  
79.8770

■ 79.5216, 87.4722,  
64.0275

■ 86.5456, 91.1850,  
98.2311

■ 76.7033, 85.8968,  
50.5681


■ 88.6264, 92.4723,  
107.7856


■ 74.3184, 84.4970,  
39.3838

■ 88.9123, 93.0440,  
107.8808


■ 72.3429, 83.2632,  
30.3482


■ 89.1995, 93.6185,  
107.9766


 70.7503, 82.1849,  
23.3221


 89.4882, 94.1960,  
108.0728


 69.5112, 81.2503,  
18.1503


 89.7784, 94.7763,  
108.1696


 68.5918, 80.4458,  
14.6550

 90.0700, 95.3595,  
108.2668

 67.9517, 79.7553,  
12.6235

 90.3631, 95.9456,  
108.3645

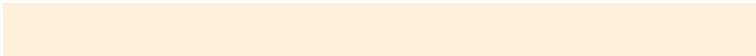
 67.5434, 79.1862,  
11.7246

 90.6576, 96.5347,  
108.4626

# Harmonies

## Analogous

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



86.2728, 89.2283, 79.4895



82.7931, 89.2283, 79.8770



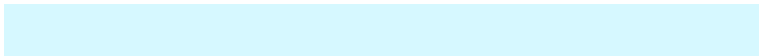
79.9305, 89.2283, 84.6895

# Triad

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



82.7931, 89.2283, 79.8770



80.3367, 89.2283, 112.1102



91.5657, 89.2283, 101.3831

# Complementary

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



82.7931, 89.2283, 79.8770



71.2881, 72.8380, 96.6890

# Split Complementary

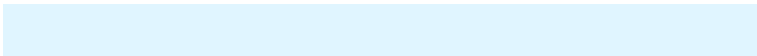
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8817, 89.2283, 110.7862



82.7931, 89.2283, 79.8770



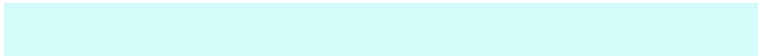
83.3615, 89.2283, 117.2599

# Square

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



82.7931, 89.2283, 79.8770



78.5394, 89.2283, 103.0906



86.8570, 89.2283, 116.7593



91.4033, 89.2283, 91.4506

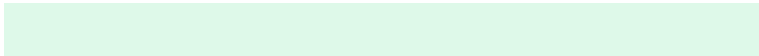


# Rectangle

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



82.7931, 89.2283, 79.8770



78.7281, 89.2283, 89.9596



86.8570, 89.2283, 116.7593



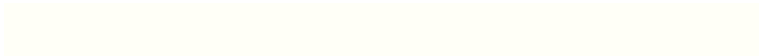
91.1949, 89.2283, 104.7231

# Sweetspot

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



82.7955, 89.2322, 79.8789



93.7492, 99.3303, 102.5107



75.9469, 75.2601, 78.4438



19.9935, 21.2232, 21.5853



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.



82.7955, 89.2322, 79.8789



89.7612, 97.2389, 83.0399



79.1420, 87.7946, 79.7940



17.8571, 19.1983, 17.5620



36.4110, 42.7077, 6.3243



3.2168, 3.7869, 0.5614



# Inverse Universe

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



71.2881, 72.8380, 96.6890



74.5478, 75.5649, 105.2641



74.6724, 74.1960, 96.7728



15.6320, 16.0283, 20.8124



8.9562, 3.7063, 46.7814

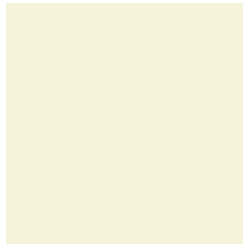


0.8047, 0.3609, 4.1175



# Previews

## White Background



This preview shows how the XYZ color 82.7931, 89.2283, 79.8770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

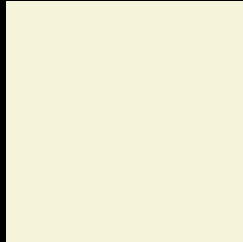
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7931, 89.2283, 79.8770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

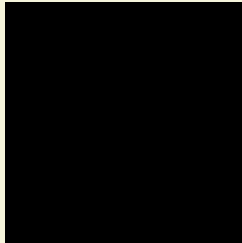
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

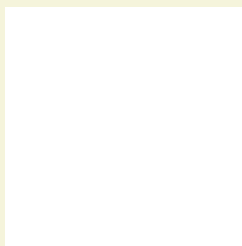
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.7931, 89.2283, 79.8770**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7931, 89.2283, 79.8770.



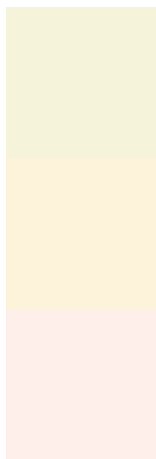
This preview shows how white text looks on a background with the XYZ color 82.7931, 89.2283,

79.8770.

# 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

82.7931, 89.2283, 79.8770

### Protanopia

84.9150, 89.4489, 79.1195

### Deuteranopia

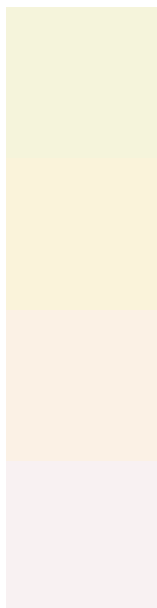
87.1019, 88.9912, 91.1835



## Tritanopia

87.9834, 89.0927, 107.1671

# Trichromacy



## Original Color

82.7931, 89.2283, 79.8770

## Protanomaly

84.1298, 89.4871, 79.1683

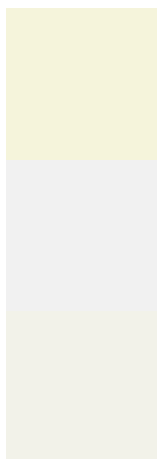
## Deuteranomaly

85.3818, 89.0770, 86.8222

## Tritanomaly

86.1937, 89.2779, 96.6939

# Monochromacy



## Original Color

82.7931, 89.2283, 79.8770

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.0781, 88.2647, 89.7489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7931, 89.2283, 79.8770 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(245, 244, 219)` looks like.

```
.text, #text, p{  
    color:rgb(245, 244, 219)  
}
```

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(245, 244, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 244, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7931, 89.2283, 79.8770 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(245, 244, 219) }
```



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

```
.border{ border-color:rgb(245, 244, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 244, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 244, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 244, 219);  
box-shadow:4px 4px 4px 4px rgb(245, 244,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7931, 89.2283, 79.8770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 244, 219) }
```

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

```
.background{ background-color: rgb(245,  
244, 219) }
```

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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