

# Converting Colors

XYZ(80.3194, 84.1036, 79.9401)

Have a look what the booklet for  
XYZ(80.3194, 84.1036, 79.9401)  
contains.

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# Color

**XYZ(80.2828, 83.9964,  
79.6917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5EBDC
RGB	245, 235, 220
RGB Percent	96%, 92%, 86%
CMY	0.0392, 0.0784, 0.1372
CMYK	0.00, 0.04, 0.10, 0.04
HSL	36°, 56%, 91%
HSV	36°, 10%, 96%
XYZ	80.2828, 83.9964, 79.6917
YIQ	236.2800, 10.7750, -2.5450

# Conversions

## Conversions Part 2

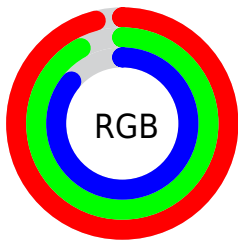
Format	Color
R <sub>Y</sub> B	237, 245, 220
Decimal	16116700
CIE Lab	93.45, 0.88, 8.47
CIE LCh	93, 8.512, 84.077
Yxy	83.9964, 0.3291, 0.3443
Android (android.graphics.Color)	4294306780 (0xFFF5EBDC)
YUV	236.2800, -8.0260, 7.6474
Hunter-Lab	91.6495, -4.0250, 12.6005

# Details

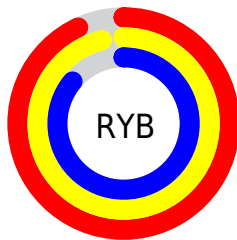
The XYZ color **80.2828, 83.9964, 79.6917** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2933, 78.4006, 97.6043**, and the grayscale version is **79.9990, 84.1652, 91.6559**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8979, 45.7756, 42.1192** is the 20% darker color. If you saturate the color by 10%, you get **74.5458, 77.3396, 62.9267**, and if you desaturate by 10%, it is **86.6545, 91.1597, 99.0164**.

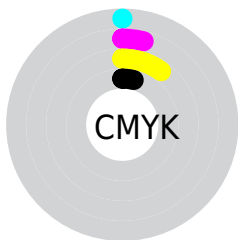
# Distribution



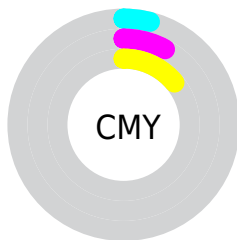
- Red (96%)
- Green (92%)
- Blue (86%)



- Red (93%)
- Yellow (96%)
- Blue (86%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2828, 83.9964, 79.6917 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 80.2828, 83.9964, 79.6917 by changing the saturation by 10% instead.



80.2828, 83.9964,  
79.6917

80.2828, 83.9964,  
79.6917

484.6074,  
508.3013, 513.5726

60.2604, 63.0125,  
58.9400

132.7117,  
138.9701, 134.7397

43.8788, 45.8513,  
42.1451

165.8489,  
173.7287, 169.8730

30.7727, 32.1285,  
28.8885

204.0883,  
213.8477, 210.6374

20.5768, 21.4597,  
18.7517

247.7954,  
259.7113, 257.4512

12.9257, 13.4604,  
11.3160

297.3355,  
311.7041, 310.7331

7.4541, 7.7463,  
6.1629

353.0740,

3.7965, 3.9331,

370.2105, 370.9016

2.8740

415.3762,  
435.6147, 438.3753

■ 1.5877, 1.6362,  
1.0307

■ 0.3843, 0.3818,  
0.0000

■ 80.2828, 83.9964,  
79.6917

■ 80.2828, 83.9964,  
79.6917

■ 74.5458, 77.3396,  
62.9267

■ 86.6545, 91.1597,  
99.0164

■ 69.4135, 71.1652,  
48.6066

■ 91.3383, 97.8960,  
108.6895

■ 64.8636, 65.4629,  
36.6160

■ 91.4666, 98.1527,  
108.7323

■ 60.8695, 60.2179,  
26.8278

■ 57.4024, 55.4144,  
19.1028

■ 54.4300, 51.0352,  
13.2855

■ 51.9161, 47.0614,  
9.1983

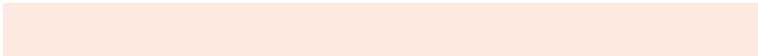
■ 49.8176, 43.4709,  
6.6292

■ 48.0972, 40.2938,  
5.2425

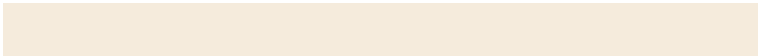
# Harmonies

## Analogous

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



82.3983, 83.9964, 81.7971



80.2828, 83.9964, 79.6917



78.0860, 83.9964, 80.6173

# Triad

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



80.2828, 83.9964, 79.6917



75.9553, 83.9964, 96.6004



83.3870, 83.9964, 98.9127

# Complementary

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



80.2828, 83.9964, 79.6917



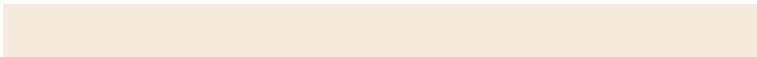
74.2933, 78.4006, 97.6043

# Split Complementary

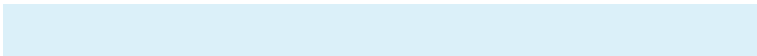
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6121, 83.9964, 103.2290



80.2828, 83.9964, 79.6917



77.3275, 83.9964, 101.8507

# Square

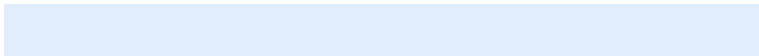
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2828, 83.9964, 79.6917



75.6144, 83.9964, 90.1867



79.3910, 83.9964, 104.3285

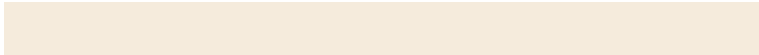


84.2120, 83.9964, 92.7408



# Rectangle

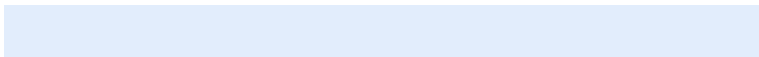
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2828, 83.9964, 79.6917



76.8675, 83.9964, 82.8517



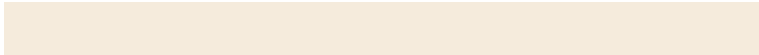
79.3910, 83.9964, 104.3285



82.8800, 83.9964, 100.6401

# Sweetspot

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



80.2851, 84.0001, 79.6935



92.8746, 97.5810, 102.2191



77.5334, 76.3133, 85.5075



19.7569, 20.7498, 21.5064



0.0000, 0.0000, 0.0000

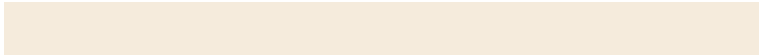


20.3446, 21.4041, 23.3091



# Same Dimension

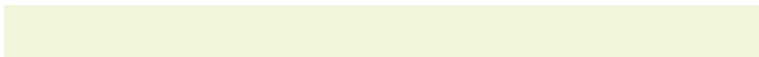
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2851, 84.0001, 79.6935



86.7293, 90.6244, 83.7269



82.3615, 89.4390, 80.6339



17.3264, 18.1370, 17.3852



26.0498, 21.9852, 2.8706

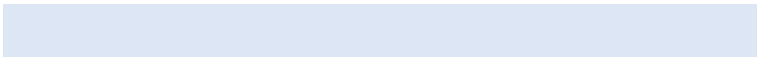


2.3899, 2.1330, 0.2858

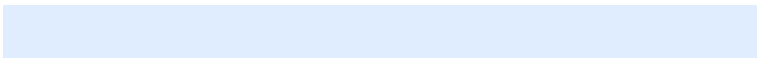


# Inverse Universe

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



74.2933, 78.4006, 97.6043



79.0931, 83.4883, 106.5539



72.3534, 73.3889, 96.7392



16.1249, 17.0141, 20.9767



11.3563, 8.5064, 47.5814

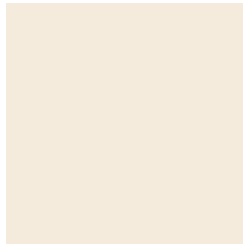


1.0958, 0.9430, 4.2145



# Previews

## White Background



This preview shows how the XYZ color 80.2828, 83.9964, 79.6917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

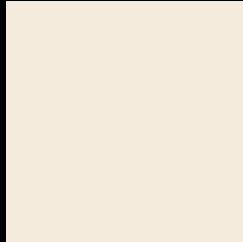
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.2828, 83.9964, 79.6917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

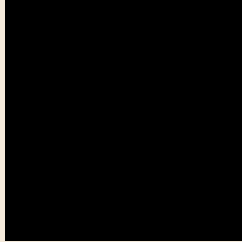
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.2828, 83.9964, 79.6917**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.2828, 83.9964, 79.6917.



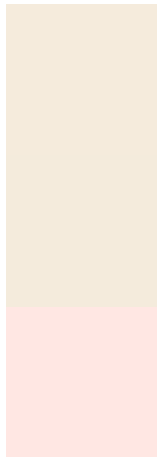
This preview shows how white text looks on a background with the XYZ color 80.2828, 83.9964,

79.6917.

# 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

80.2828, 83.9964, 79.6917

### Protanopia

79.9348, 83.8171, 79.6754

### Deuteranopia

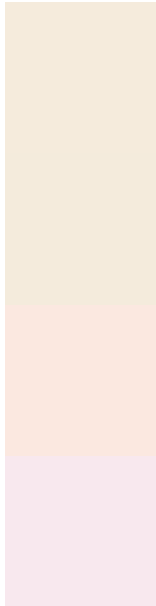
83.6810, 83.9579, 84.4681



## Tritanopia

84.7417, 84.1311, 101.3951

# Trichromacy



## Original Color

80.2828, 83.9964, 79.6917

## Protanomaly

79.9348, 83.8171, 79.6754

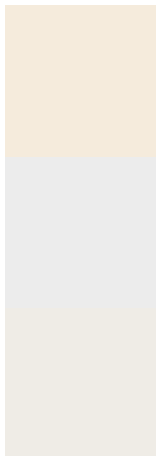
## Deuteranomaly

82.0948, 83.6043, 82.3314

## Tritanomaly

83.0006, 83.8427, 92.6976

# Monochromacy



## Original Color

80.2828, 83.9964, 79.6917

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.8750, 84.0548, 86.8772

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.2828, 83.9964, 79.6917 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, 235, 220) looks like.

```
.text, #text, p{  
    color:rgb(245, 235, 220)  
}
```

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, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 235, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 80.2828, 83.9964, 79.6917 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, 235, 220) }
```



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

```
.border{ border-color:rgb(245, 235, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 235, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(245, 235,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.2828, 83.9964, 79.6917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 235, 220) }
```

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

```
.background{ background-color: rgb(245,  
235, 220) }
```

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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