

# Converting Colors

XYZ(81.2531, 87.8965, 77.8525)

Have a look what the booklet for  
XYZ(81.2531, 87.8965, 77.8525)  
contains.

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# **Color**

**XYZ(81.4074, 88.1137,  
77.6828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F3D8
RGB	243, 243, 216
RGB Percent	95%, 95%, 85%
CMY	0.0471, 0.0470, 0.1529
CMYK	0.00, 0.00, 0.11, 0.05
HSL	60°, 53%, 90%
HSV	60°, 11%, 95%
XYZ	81.4074, 88.1137, 77.6828
YIQ	239.9220, 8.6670, -8.3970

# Conversions

## Conversions Part 2

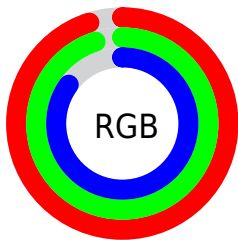
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 243, 216
Decimal	15987672
CIE <sub>Lab</sub>	95.21, -4.51, 13.03
CIE <sub>LCh</sub>	95, 13.787, 109.097
Yxy	88.1137, 0.3293, 0.3564
Android (android.graphics.Color)	4294177752 (0xFFFF3F3D8)
YUV	239.9220, -11.7935, 2.6994
Hunter-Lab	93.8689, -9.4672, 16.6418

# Details

The XYZ color **81.4074, 88.1137, 77.6828** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.0558, 70.1841, 94.7060**, and the grayscale version is **82.8501, 87.1647, 94.9224**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6969, 48.6787, 40.7584** is the 20% darker color. If you saturate the color by 10%, you get **78.4947, 86.9514, 62.3420**, and if you desaturate by 10%, it is **84.7896, 89.4696, 95.4744**.

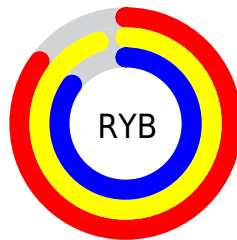
# Distribution



Red (95%)

Green (95%)

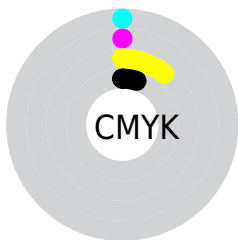
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

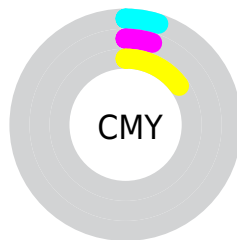


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4074, 88.1137, 77.6828 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 81.4074, 88.1137, 77.6828 by changing the saturation by 10% instead.



81.4074, 88.1137,  
77.6828

81.4074, 88.1137,  
77.6828

488.3279,  
521.8755, 506.5883

61.1896, 66.4172,  
57.2985

134.2828,  
144.7154, 131.8847

44.6313, 48.6112,  
40.8340

167.6712,  
180.3895, 166.5394

31.3672, 34.3111,  
27.8707

206.1805,  
221.4916, 206.7880

21.0318, 23.1327,  
17.9900

250.1760,  
268.4060, 253.0490

13.2598, 14.6915,  
10.7735

300.0232,  
321.5172, 305.7410

7.6860, 8.6032,  
5.8025

356.0873,

3.9448, 4.4833,

381.2096, 365.2825

2.6585

418.7338,  
447.8676, 432.0921

■ 1.6709, 1.9474,  
0.9224

■ 0.4380, 0.5766,  
0.0000

■ 81.4074, 88.1137,  
77.6828

■ 81.4074, 88.1137,  
77.6828

■ 78.4947, 86.9514,  
62.3420

■ 84.7896, 89.4696,  
95.4744

■ 76.0240, 85.9629,  
49.3394


■ 87.0679, 90.3812,  
107.4641


■ 73.9758, 85.1435,  
38.5618


■ 87.0694, 90.3819,  
107.4642


■ 72.3265, 84.4836,  
29.8847


■ 87.0709, 90.3827,  
107.4642


 71.0501, 83.9728,  
23.1711

 87.0725, 90.3835,  
107.4643


 70.1175, 83.5996,  
18.2680


 87.0740, 90.3843,  
107.4644


 69.4954, 83.3506,  
14.9997

 87.0755, 90.3851,  
107.4644

 69.1437, 83.2097,  
13.1557

 87.0770, 90.3859,  
107.4645

 69.0014, 83.1526,  
12.4133

 87.0785, 90.3866,  
107.4646

# Harmonies

## Analogous

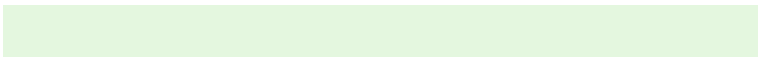
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1237, 88.1137, 77.0198



81.4074, 88.1137, 77.6828



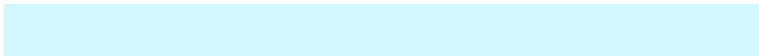
78.4055, 88.1137, 83.0176

# Triad

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



81.4074, 88.1137, 77.6828



79.1063, 88.1137, 112.4485



91.0476, 88.1137, 99.9089

# Complementary

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



81.4074, 88.1137, 77.6828



69.0558, 70.1841, 94.7060

# Split Complementary

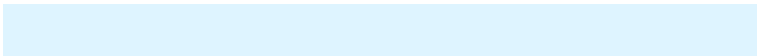
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3308, 88.1137, 110.1401



81.4074, 88.1137, 77.6828



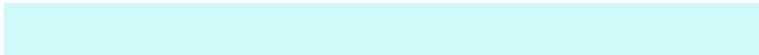
82.3900, 88.1137, 117.7316

# Square

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



81.4074, 88.1137, 77.6828



77.1047, 88.1137, 102.8723



86.1360, 88.1137, 116.8565



90.7654, 88.1137, 89.3280

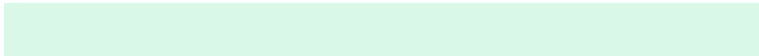


# Rectangle

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



81.4074, 88.1137, 77.6828



77.1784, 88.1137, 88.7446



86.1360, 88.1137, 116.8565



90.6832, 88.1137, 103.5159

# Sweetspot

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



81.4098, 88.1176, 77.6847



93.8421, 99.5168, 102.5418



73.9155, 73.1264, 75.1861



20.0187, 21.2737, 21.5937



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.



81.4098, 88.1176, 77.6847



90.1625, 98.0447, 83.1743



76.9214, 85.8037, 77.4746



17.9144, 19.3135, 17.5812



37.8685, 45.6347, 6.8125



3.3284, 4.0109, 0.5988



# Inverse Universe

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



69.0558, 70.1841, 94.7060



74.2116, 74.8898, 105.1515



73.2091, 72.3252, 94.9003



15.5815, 15.9269, 20.7955



8.8793, 3.5518, 46.7556

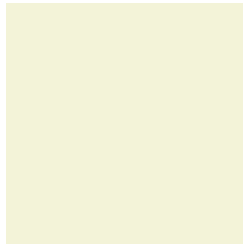


0.7805, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 81.4074, 88.1137, 77.6828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

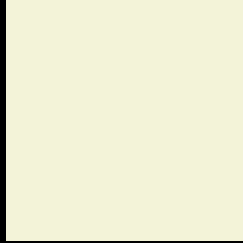
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.4074, 88.1137, 77.6828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

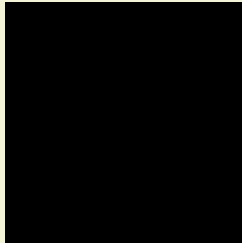
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

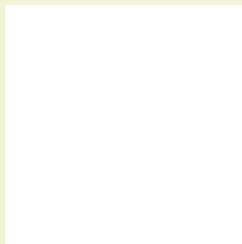
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.4074, 88.1137, 77.6828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.4074, 88.1137, 77.6828.



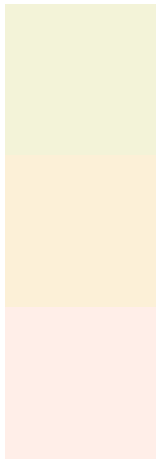
This preview shows how white text looks on a background with the XYZ color 81.4074, 88.1137,

77.6828.

# 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

81.4074, 88.1137, 77.6828

### Protanopia

83.5707, 87.9219, 76.8560

### Deuteranopia

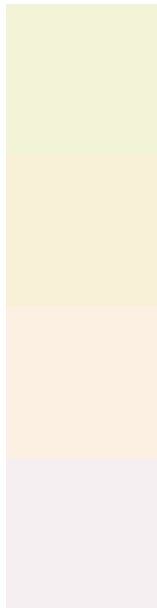
86.3800, 88.2353, 88.8223



## Tritanopia

87.0456, 87.7448, 106.9564

# Trichromacy



## Original Color

81.4074, 88.1137, 77.6828

## Protanomaly

82.7880, 87.9566, 76.9039

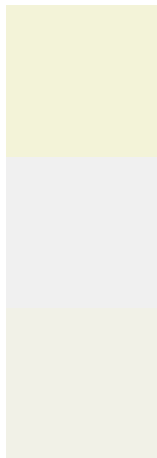
## Deuteranomaly

84.6712, 88.3204, 84.5364

## Tritanomaly

84.7497, 87.6767, 95.6756

# Monochromacy



## Original Color

81.4074, 88.1137, 77.6828

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.1547, 87.3809, 88.1375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.4074, 88.1137, 77.6828 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(243, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 216)  
}
```

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(243, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 243, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 81.4074, 88.1137, 77.6828 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(243, 243, 216) }
```



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

```
.border{ border-color:rgb(243, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 243,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.4074, 88.1137, 77.6828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 243, 216) }
```

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

```
.background{ background-color: rgb(243,  
243, 216) }
```

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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