

# Converting Colors

XYZ(81.0762, 88.8900, 70.0118)

Have a look what the booklet for  
XYZ(81.0762, 88.8900, 70.0118)  
contains.

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# Color

**XYZ(81.2077, 89.0769,  
70.0402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5CC
RGB	245, 245, 204
RGB Percent	96%, 96%, 80%
CMY	0.0392, 0.0392, 0.2000
CMYK	0.00, 0.00, 0.17, 0.04
HSL	60°, 67%, 88%
HSV	60°, 17%, 96%
XYZ	81.2077, 89.0769, 70.0402
YIQ	240.3260, 13.1610, -12.7510

# Conversions

## Conversions Part 2

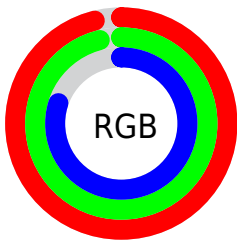
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 245, 204
Decimal	16119244
CIELab	95.61, -6.64, 19.79
CIELCh	96, 20.873, 108.548
Yxy	89.0769, 0.3379, 0.3707
Android (android.graphics.Color)	4294309324 (0xFFFF5F5CC)
YUV	240.3260, -17.9087, 4.0991
Hunter-Lab	94.3806, -11.5795, 22.0670

# Details

The XYZ color **81.2077, 89.0769, 70.0402** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.9795, 62.6180, 95.1581**, and the grayscale version is **83.2106, 87.5440, 95.3354**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4417, 49.2886, 36.0255** is the 20% darker color. If you saturate the color by 10%, you get **78.4972, 87.9956, 55.7618**, and if you desaturate by 10%, it is **84.3853, 90.3511, 86.7571**.

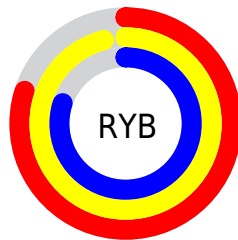
# Distribution



Red (96%)

Green (96%)

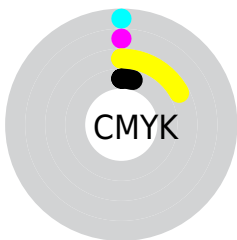
Blue (80%)



Red (80%)

Yellow (96%)

Blue (80%)

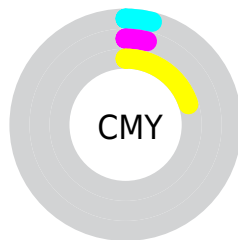


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (4%)



Cyan (4%)

Magenta (4%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2077, 89.0769, 70.0402 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 81.2077, 89.0769, 70.0402 by changing the saturation by 10% instead.



 81.2077, 89.0769,  
70.0402

 81.2077, 89.0769,  
70.0402


487.6684,  
525.0235, 479.4841

 61.0246, 67.2153,  
51.0823

134.0040,  
146.0555, 120.9477

 44.4976, 49.2596,  
35.8969


167.3479,  
181.9413, 153.7345

 31.2615, 34.8255,  
24.0655


205.8093,  
223.2706, 191.9679

 20.9508, 23.5285,  
15.1696

249.7538,  
270.4278, 236.0665

 13.2003, 14.9842,  
8.7906

299.5465,  
323.7972, 286.4489

 7.6446, 8.8083,  
4.5099

355.5530,

 3.9183, 4.6164,

383.7634, 343.5336

1.9090

418.1385,  
450.7107, 407.7391

■ 1.6560, 2.0240,  
0.4985

■ 0.4285, 0.6213,  
0.0000

■ 81.2077, 89.0769,  
70.0402

■ 81.2077, 89.0769,  
70.0402

■ 78.4972, 87.9956,  
55.7618

■ 84.3853, 90.3511,  
86.7571

■ 76.2250, 87.0866,  
43.8026


■ 88.0430, 91.8143,  
106.0128


■ 74.3704, 86.3446,  
34.0420


■ 88.3640, 91.9428,  
107.6972


■ 72.9079, 85.7595,  
26.3461

■ 88.3650, 91.9433,  
107.6972


 71.8094, 85.3199,  
20.5667


 88.3661, 91.9439,  
107.6973


 71.0428, 85.0132,  
16.5355


 88.3672, 91.9444,  
107.6973


 70.5707, 84.8242,  
14.0555

 88.3683, 91.9450,  
107.6974

 70.3460, 84.7342,  
12.8774

 88.3693, 91.9455,  
107.6974

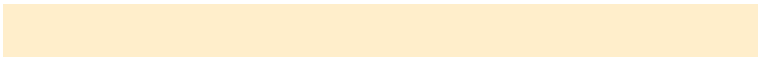
 70.3018, 84.7165,  
12.6466

 88.3704, 91.9461,  
107.6975

# Harmonies

## Analogous

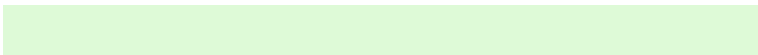
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8718, 89.0769, 69.2296



81.2077, 89.0769, 70.0402



76.6711, 89.0769, 77.5613

# Triad

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



81.2077, 89.0769, 70.0402



77.5774, 89.0769, 122.6192



95.9311, 89.0769, 103.3917

# Complementary

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



81.2077, 89.0769, 70.0402



62.9795, 62.6180, 95.1581

# Split Complementary

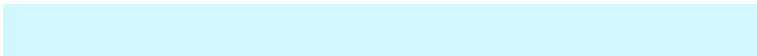
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.1959, 89.0769, 119.4182



81.2077, 89.0769, 70.0402



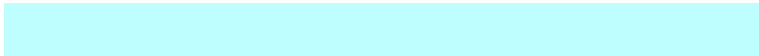
82.4957, 89.0769, 131.3260

# Square

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



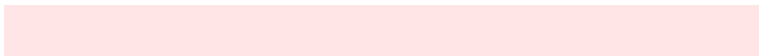
81.2077, 89.0769, 70.0402



74.6413, 89.0769, 107.3791



88.2189, 89.0769, 130.0926

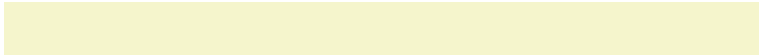


95.5480, 89.0769, 87.2929

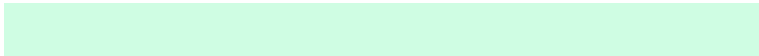


# Rectangle

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



81.2077, 89.0769, 70.0402



74.8171, 89.0769, 85.8992



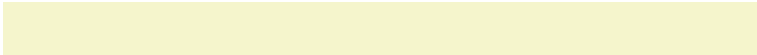
88.2189, 89.0769, 130.0926



95.3411, 89.0769, 108.9958

# Sweetspot

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



81.2101, 89.0808, 70.0421



93.0640, 99.2055, 98.4450



70.1510, 66.9600, 66.3552



19.8621, 21.2111, 20.7689



0.0000, 0.0000, 0.0000

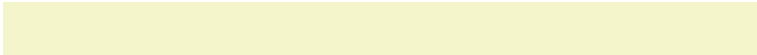


20.3446, 21.4041, 23.3091



# Same Dimension

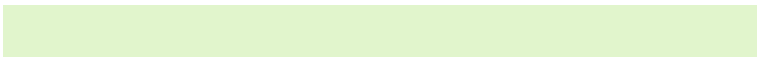
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2101, 89.0808, 70.0421



87.8967, 97.1384, 71.2437



74.4505, 85.5962, 69.7258



17.9145, 19.3135, 17.5812



37.8710, 45.6360, 6.8126



3.3286, 4.0110, 0.5988



# Inverse Universe

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



62.9795, 62.6180, 95.1581



64.5465, 63.2440, 103.4131



68.9726, 65.7076, 95.4386



15.5814, 15.9269, 20.7955



8.8792, 3.5517, 46.7556

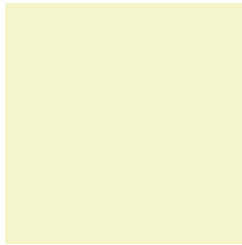


0.7805, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 81.2077, 89.0769, 70.0402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

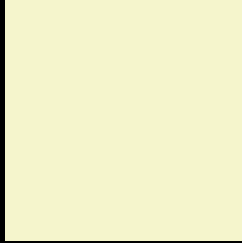
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2077, 89.0769, 70.0402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

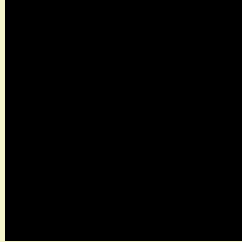
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

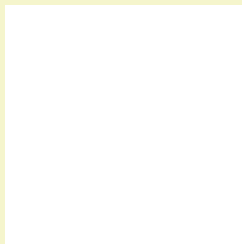
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.2077, 89.0769, 70.0402

## Background



This preview shows how black text looks on a background with the XYZ color 81.2077, 89.0769, 70.0402.



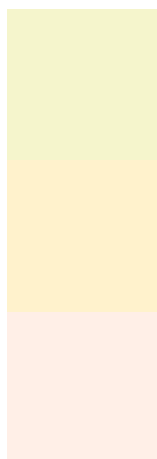
This preview shows how white text looks on a background with the XYZ color 81.2077, 89.0769,



# 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

81.2077, 89.0769, 70.0402

### Protanopia

83.8912, 89.1239, 69.9078

### Deuteranopia

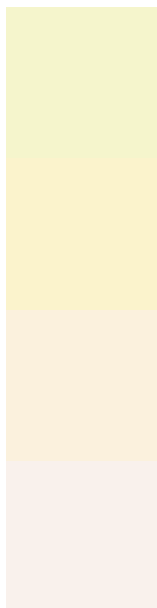
86.5303, 88.7625, 88.1735



## Tritanopia

88.4082, 88.8783, 107.1034

# Trichromacy



## Original Color

81.2077, 89.0769, 70.0402

## Protanomaly

82.7333, 88.9700, 69.9392

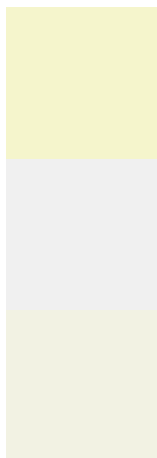
## Deuteranomaly

84.2901, 88.6403, 81.0733

## Tritanomaly

85.6625, 89.1065, 92.0412

# Monochromacy



## Original Color

81.2077, 89.0769, 70.0402

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.2352, 87.9276, 85.3105

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2077, 89.0769, 70.0402 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, 245, 204)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 204)  
}
```

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, 245, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2077, 89.0769, 70.0402 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, 245, 204) }
```



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

```
.border{ border-color:rgb(245, 245, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 204);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2077, 89.0769, 70.0402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 204) }
```

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

```
.background{ background-color: rgb(245,  
245, 204) }
```

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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