

# Converting Colors

XYZ(81.9088, 89.2443, 56.6531)

Have a look what the booklet for  
XYZ(81.9088, 89.2443, 56.6531)  
contains.

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# Color

**XYZ(81.9312, 89.2976,  
56.6340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4B5
RGB	255, 244, 181
RGB Percent	100%, 96%, 71%
CMY	0.0000, 0.0431, 0.2902
CMYK	0.00, 0.04, 0.29, 0.00
HSL	51°, 100%, 85%
HSV	51°, 29%, 100%
XYZ	81.9312, 89.2976, 56.6340
YIQ	240.1070, 26.7790, -17.2610

# Conversions

## Conversions Part 2

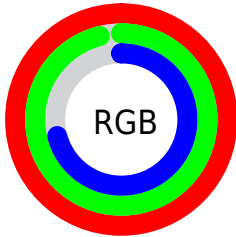
Format	Color
<b>R<sub>YB</sub></b>	194, 255, 181
Decimal	16774325
CIE Lab	95.70, -5.63, 31.75
CIE LCh	96, 32.247, 100.058
Yxy	89.2976, 0.3596, 0.3919
Android (android.graphics.Color)	4294964405 (0xFFFFF4B5)
YUV	240.1070, -29.1398, 13.0612
Hunter-Lab	94.4974, -10.6073, 30.6146

# Details

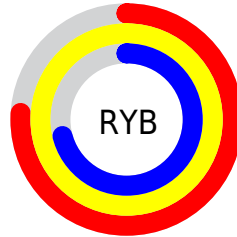
The XYZ color **81.9312, 89.2976, 56.6340** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.9553, 54.7414, 102.2247**, and the grayscale version is **83.1165, 87.4450, 95.2276**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **44.9055, 49.3953, 27.5895** is the 20% darker color. If you saturate the color by 10%, you get **78.4230, 86.0922, 43.7161**, and if you desaturate by 10%, it is **85.9461, 92.7495, 72.0855**.

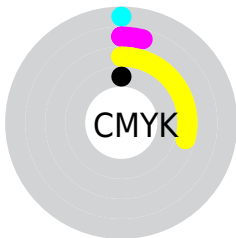
# Distribution



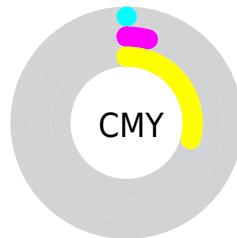
- Red (100%)
- Green (96%)
- Blue (71%)



- Red (76%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9312, 89.2976, 56.6340 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 81.9312, 89.2976, 56.6340 by changing the saturation by 10% instead.





 81.9312, 89.2976,  
56.6340

 81.9312, 89.2976,  
56.6340


490.0555,  
525.7433, 429.5317

 61.6227, 67.3982,  
40.3041

 135.0138,  
146.3623, 101.4260

 44.9824, 49.4083,  
27.4601


168.5187,  
182.2965, 130.7251

 31.6448, 34.9435,  
17.6836


207.1532,  
223.6777, 165.1844

 21.2445, 23.6194,  
10.5560

251.2824,  
270.8904, 205.2223

 13.4164, 15.0515,  
5.6587

301.2720,  
324.3189, 251.2575

 7.7948, 8.8555,  
2.5733

357.4871,

 4.0146, 4.6471,

384.3476, 303.7084

0.8786

420.2932,  
451.3609, 362.9936

■ 1.7104, 2.0417,  
0.0000

■ 0.4628, 0.6315,  
0.0000

■ 81.9312, 89.2976,  
56.6340

■ 81.9312, 89.2976,  
56.6340

■ 78.4230, 86.0922,  
43.7161

■ 85.9461, 92.7495,  
72.0855

■ 75.3887, 83.1104,  
33.1884

■ 90.4855, 96.4457,  
90.1924

■ 72.8018, 80.3447,  
24.9019

95.0500, 100.0000,  
108.9000

■ 70.6300, 77.7818,  
18.6884

■ 68.8369, 75.4070,  
14.3560

■ 67.3790, 73.2027,  
11.6770

■ 66.1925, 71.1430,  
10.3151

■ 66.0827, 70.9455,  
10.2109

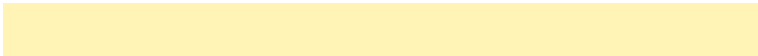
# Harmonies

## Analogous

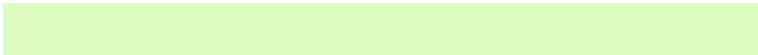
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8249, 89.2976, 58.1666



81.9312, 89.2976, 56.6340



74.3663, 89.2976, 64.4349

# Triad

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



81.9312, 89.2976, 56.6340



72.4800, 89.2976, 132.1689



101.9356, 89.2976, 114.8567

# Complementary

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



81.9312, 89.2976, 56.6340



55.9553, 54.7414, 102.2247

# 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.



96.3292, 89.2976, 139.6058



81.9312, 89.2976, 56.6340



79.1902, 89.2976, 150.7451

# Square

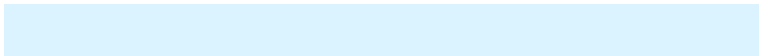
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9312, 89.2976, 56.6340



69.1667, 89.2976, 106.0111



87.8878, 89.2976, 153.6814



102.7973, 89.2976, 88.9476

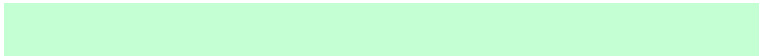


# Rectangle

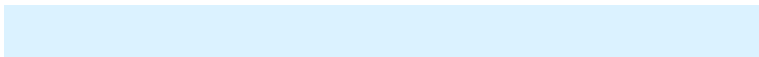
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9312, 89.2976, 56.6340



70.9387, 89.2976, 74.8337



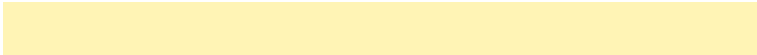
87.8878, 89.2976, 153.6814



100.5258, 89.2976, 123.7004

# Sweetspot

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



81.9334, 89.3016, 56.6359



90.4945, 96.4529, 90.2289



67.2901, 58.1190, 57.5999



19.2210, 20.5264, 18.7123



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

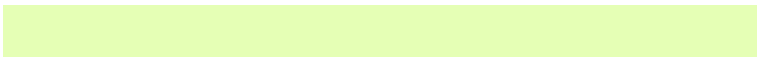
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9334, 89.3016, 56.6359



79.7750, 87.3539, 48.6127



76.4460, 91.5309, 57.3554



19.3177, 20.6037, 19.1031



34.6170, 37.2453, 5.3646



3.4303, 3.7460, 0.5423



# Inverse Universe

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



55.9553, 54.7414, 102.2247



49.8455, 47.5440, 101.1575



60.2789, 53.5199, 101.7611



17.2208, 17.8131, 22.7806



9.8566, 4.6228, 49.8074



1.0211, 0.5729, 4.8700



# Previews

## White Background



This preview shows how the XYZ color 81.9312, 89.2976, 56.6340 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 81.9312, 89.2976, 56.6340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

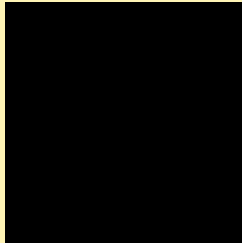
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.9312, 89.2976, 56.6340**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.9312, 89.2976, 56.6340.



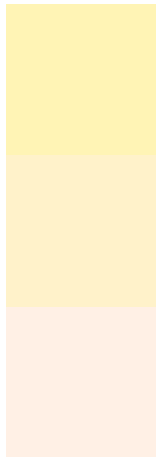
This preview shows how white text looks on a background with the XYZ color 81.9312, 89.2976,



# 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

81.9312, 89.2976, 56.6340

### Protanopia

83.6528, 89.0285, 68.6524

### Deuteranopia

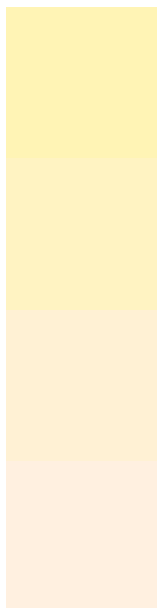
86.5429, 89.2373, 86.7920



## Tritanopia

88.9134, 89.2486, 102.1630

# Trichromacy



## Original Color

81.9312, 89.2976, 56.6340

## Protanomaly

83.0282, 89.2562, 63.8911

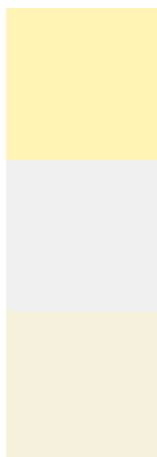
## Deuteranomaly

84.5790, 88.9241, 74.9936

## Tritanomaly

85.8546, 88.9620, 83.1674

# Monochromacy



## Original Color

81.9312, 89.2976, 56.6340

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

81.8977, 87.4375, 79.5785

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9312, 89.2976, 56.6340 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(255, 244, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 181)  
}
```

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(255, 244, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9312, 89.2976, 56.6340 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(255, 244, 181) }
```



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

```
.border{ border-color:rgb(255, 244, 181) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9312, 89.2976, 56.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 181) }
```

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

```
.background{ background-color: rgb(255,  
244, 181) }
```

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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