

# Converting Colors

XYZ(79.9120, 89.5283, 57.0883)

Have a look what the booklet for  
XYZ(79.9120, 89.5283, 57.0883)  
contains.

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# Color

**XYZ(80.0620, 89.6731,  
57.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F7B6
RGB	247, 247, 182
RGB Percent	97%, 97%, 71%
CMY	0.0314, 0.0313, 0.2863
CMYK	0.00, 0.00, 0.26, 0.03
HSL	60°, 80%, 84%
HSV	60°, 26%, 97%
XYZ	80.0620, 89.6731, 57.3449
YIQ	239.5900, 20.8650, -20.2150

# Conversions

## Conversions Part 2

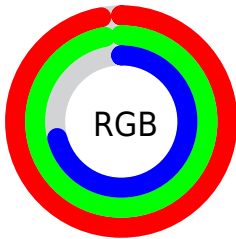
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 247, 182
Decimal	16250806
CIE Lab	95.86, -9.95, 31.35
CIE LCh	96, 32.892, 107.612
Yxy	89.6731, 0.3526, 0.3949
Android (android.graphics.Color)	4294440886 (0xFFFF7F7B6)
YUV	239.5900, -28.3919, 6.4986
Hunter-Lab	94.6959, -14.8024, 30.3829

# Details

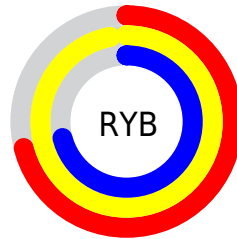
The XYZ color **80.0620, 89.6731, 57.3449** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.8113, 50.1188, 94.8913**, and the grayscale version is **82.7093, 87.0166, 94.7611**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **43.8285, 49.7937, 28.0700** is the 20% darker color. If you saturate the color by 10%, you get **77.7313, 88.7438, 45.0659**, and if you desaturate by 10%, it is **82.8476, 90.7905, 71.9990**.

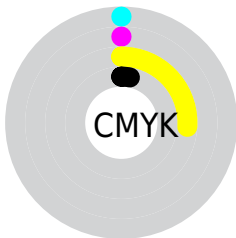
# Distribution



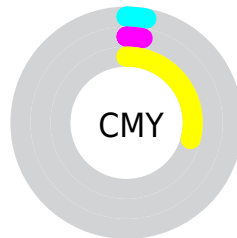
- Red (97%)
- Green (97%)
- Blue (71%)



- Red (71%)
- Yellow (97%)
- Blue (71%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0620, 89.6731, 57.3449 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 80.0620, 89.6731, 57.3449 by changing the saturation by 10% instead.



80.0620, 89.6731,  
57.3449

80.0620, 89.6731,  
57.3449

483.8751,  
526.9669, 432.2703

60.0780, 67.7095,  
40.8710

132.4030,  
146.8842, 102.4736

43.7312, 49.6615,  
27.8994

165.4907,  
182.9006, 131.9655

30.6563, 35.1445,  
18.0114

203.6770,  
224.3700, 166.6338

20.4878, 23.7742,  
10.7887

247.3272,  
271.6769, 206.8970

12.8604, 15.1662,  
5.8125

296.8068,  
325.2056, 253.1738

7.4088, 8.9361,  
2.6645

352.4811,

3.7677, 4.6995,

385.3406, 305.8825

0.9255

414.7154,  
452.4662, 365.4419

■ 1.5716, 2.0721,  
0.0000

■ 0.3738, 0.6488,  
0.0000

■ 80.0620, 89.6731,  
57.3449

■ 80.0620, 89.6731,  
57.3449

■ 77.7313, 88.7438,  
45.0659

■ 82.8476, 90.7905,  
71.9990

■ 75.8250, 87.9812,  
35.0317


■ 86.1031, 92.0928,  
89.1381

■ 74.3196, 87.3789,  
27.1083


■ 89.6730, 93.5209,  
107.9328


■ 73.1863, 86.9255,  
21.1451


■ 89.6739, 93.5213,  
107.9328


 72.3929, 86.6081,  
16.9714


 89.6747, 93.5218,  
107.9329


 71.9014, 86.4114,  
14.3876


 89.6755, 93.5222,  
107.9329

 71.6646, 86.3166,  
13.1449

 89.6764, 93.5226,  
107.9330

 71.6145, 86.2965,  
12.8824

 89.6772, 93.5230,  
107.9330

 89.6780, 93.5235,  
107.9330

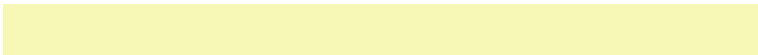
# Harmonies

## Analogous

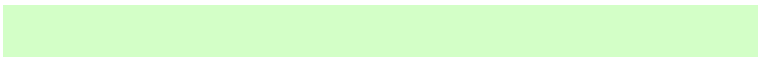
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0287, 89.6731, 56.5224



80.0620, 89.6731, 57.3449



72.9864, 89.6731, 67.6848

# Triad

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



80.0620, 89.6731, 57.3449



74.0048, 89.6731, 139.3790



103.4290, 89.6731, 108.7527

# Complementary

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



80.0620, 89.6731, 57.3449



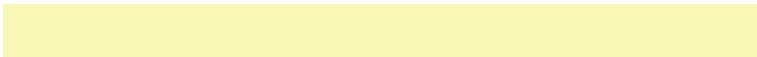
52.8113, 50.1188, 94.8913

# 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.



98.7751, 89.6731, 135.3368



80.0620, 89.6731, 57.3449



81.5440, 89.6731, 155.0106

# Square

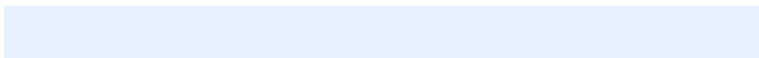
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



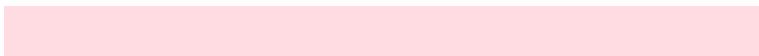
80.0620, 89.6731, 57.3449



69.6636, 89.6731, 113.5473



90.6191, 89.6731, 153.4123



102.9616, 89.6731, 83.2902

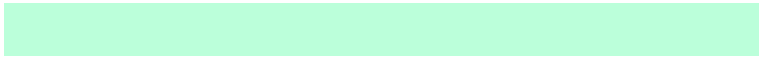


# Rectangle

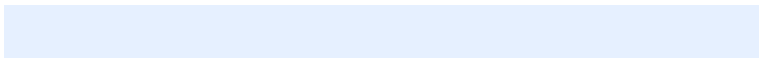
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0620, 89.6731, 57.3449



70.0991, 89.6731, 79.8209



90.6191, 89.6731, 153.4123



102.3987, 89.6731, 117.9285

# Sweetspot

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



80.0643, 89.6771, 57.3468



91.9369, 98.7547, 92.5106



63.5322, 56.6097, 51.8355



19.5611, 21.0907, 19.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

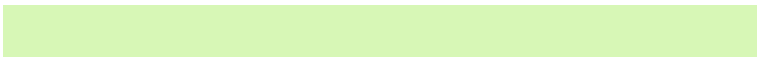
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0643, 89.6771, 57.3468



84.5787, 95.8112, 53.7740



69.5854, 84.2751, 56.8564



17.9146, 19.3135, 17.5813



37.8724, 45.6367, 6.8127



3.3287, 4.0110, 0.5988



# Inverse Universe

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



52.8113, 50.1188, 94.8913



50.3943, 46.1916, 100.8675



61.3969, 54.5448, 95.2931



15.5814, 15.9268, 20.7955



8.8791, 3.5517, 46.7556

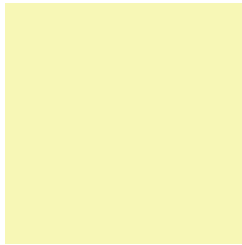


0.7804, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 80.0620, 89.6731, 57.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

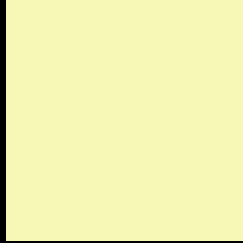
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0620, 89.6731, 57.3449 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

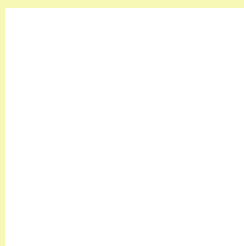
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.0620, 89.6731, 57.3449**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0620, 89.6731, 57.3449.



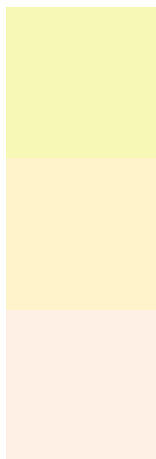
This preview shows how white text looks on a background with the XYZ color 80.0620, 89.6731,



# 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

80.0620, 89.6731, 57.3449

### Protanopia

84.0701, 89.6730, 69.3776

### Deuteranopia

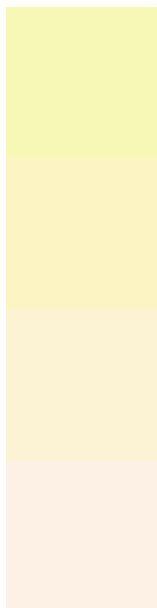
86.6830, 89.2933, 87.5296



## Tritanopia

89.8645, 89.6291, 107.1715

# Trichromacy



## Original Color

80.0620, 89.6731, 57.3449

## Protanomaly

82.3459, 89.3369, 64.5334

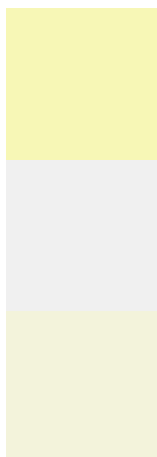
## Deuteranomaly

84.2057, 89.6007, 75.8073

## Tritanomaly

85.6038, 89.2075, 86.1058

# Monochromacy



## Original Color

80.0620, 89.6731, 57.3449

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

81.7989, 88.2703, 79.7444

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0620, 89.6731, 57.3449 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(247, 247, 182)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 182)  
}
```

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(247, 247, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0620, 89.6731, 57.3449 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(247, 247, 182) }
```



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

```
.border{ border-color:rgb(247, 247, 182) }
```

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

Here you see how a box with a 4 pixel rgb(247, 247, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 182);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0620, 89.6731, 57.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 182) }
```

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

```
.background{ background-color: rgb(247,  
247, 182) }
```

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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