

# Converting Colors

XYZ(81.0736, 89.7085, 67.0757)

Have a look what the booklet for  
XYZ(81.0736, 89.7085, 67.0757)  
contains.

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# Color

**XYZ(80.9208, 89.4475,  
67.0330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F6C7
RGB	245, 246, 199
RGB Percent	96%, 96%, 78%
CMY	0.0392, 0.0353, 0.2196
CMYK	0.00, 0.00, 0.19, 0.04
HSL	61°, 72%, 87%
HSV	61°, 19%, 96%
XYZ	80.9208, 89.4475, 67.0330
YIQ	240.3430, 14.4910, -14.8290

# Conversions

## Conversions Part 2

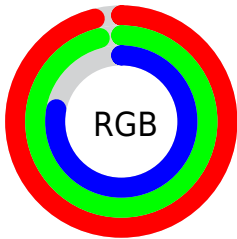
Format	Color
R <sub>Y</sub> B	199, 246, 200
Decimal	16119495
CIE Lab	95.77, -7.87, 22.56
CIE LCh	96, 23.894, 109.219
Yxy	89.4475, 0.3409, 0.3768
Android (android.graphics.Color)	4294309575 (0xFFFF5F6C7)
YUV	240.3430, -20.3821, 4.0842
Hunter-Lab	94.5767, -12.7827, 24.1808

# Details

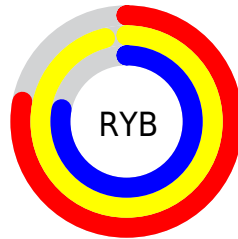
The XYZ color **80.9208, 89.4475, 67.0330** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.8808, 59.7824, 95.5240**, and the grayscale version is **83.2420, 87.5770, 95.3714**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2633, 49.5626, 34.0217** is the 20% darker color. If you saturate the color by 10%, you get **78.1100, 88.3050, 53.1777**, and if you desaturate by 10%, it is **84.1986, 90.7829, 83.3240**.

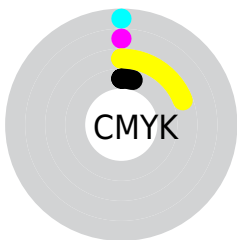
# Distribution



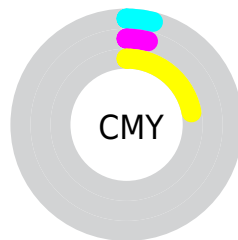
- Red (96%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)




- Cyan (4%)
- Magenta (4%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9208, 89.4475, 67.0330 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 80.9208, 89.4475, 67.0330 by changing the saturation by 10% instead.




 80.9208, 89.4475,  
67.0330

 80.9208, 89.4475,  
67.0330


486.7200,  
526.2320, 468.5669

 60.7874, 67.5225,  
48.6497


133.6033,  
146.5707, 116.6088

 44.3055, 49.5094,  
33.9780


166.8831,  
182.5377, 148.6383

 31.1097, 35.0237,  
22.5995


205.2759,  
223.9541, 186.0537

 20.8346, 23.6811,  
14.0955

249.1468,  
271.2044, 229.2735

 13.1150, 15.0973,  
8.0476

298.8613,  
324.6730, 278.7161

 7.5853, 8.8877,  
4.0372

354.7848,

 3.8803, 4.6680,

384.7441, 334.8002

1.6458

417.2826,  
451.8023, 397.9443

■ 1.6346, 2.0538,  
0.3232

■ 0.4148, 0.6385,  
0.0000

■ 80.9208, 89.4475,  
67.0330

■ 80.9208, 89.4475,  
67.0330

■ 78.1100, 88.3050,  
53.1777

■ 84.1986, 90.7829,  
83.3240

■ 75.7370, 87.3347,  
41.6357


■ 87.9571, 92.3076,  
102.1538


■ 73.7803, 86.5310,  
32.2827


■ 89.2171, 92.8329,  
107.8240


■ 72.2134, 85.8832,  
24.9804


■ 89.4025, 92.9285,  
107.8327


 71.0073, 85.3799,  
19.5748

 89.5884, 93.0243,  
107.8414


 70.1285, 85.0075,  
15.8902


 89.7748, 93.1204,  
107.8501


 69.5375, 84.7502,  
13.7181

 89.9618, 93.2168,  
107.8589

 69.1744, 84.5842,  
12.7436

 90.1493, 93.3135,  
107.8677

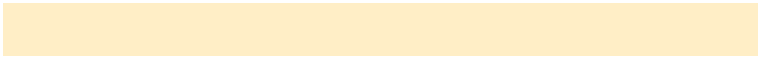
 69.1463, 84.5712,  
12.6795

 90.3373, 93.4104,  
107.8765

# Harmonies

## Analogous

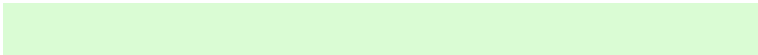
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4055, 89.4475, 65.9634



80.9208, 89.4475, 67.0330



75.7939, 89.4475, 75.5946

# Triad

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



80.9208, 89.4475, 67.0330



77.0194, 89.4475, 127.4815



98.0589, 89.4475, 104.3284

# Complementary

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



80.9208, 89.4475, 67.0330



60.8808, 59.7824, 95.5240

# Split Complementary

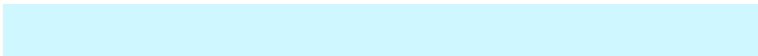
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9599, 89.4475, 123.0246



80.9208, 89.4475, 67.0330



82.6727, 89.4475, 137.4926

# Square

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



80.9208, 89.4475, 67.0330



73.6230, 89.4475, 109.8118



89.2495, 89.4475, 135.7638

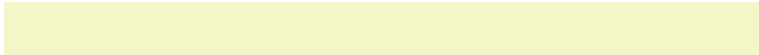


97.5301, 89.4475, 85.9479

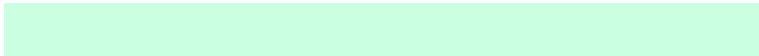


# Rectangle

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



80.9208, 89.4475, 67.0330



73.7303, 89.4475, 85.0965



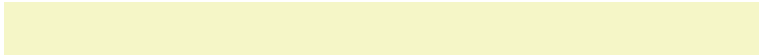
89.2495, 89.4475, 135.7638



97.4009, 89.4475, 110.8208

# Sweetspot

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



80.9231, 89.4515, 67.0349



92.5634, 98.9915, 96.4333



68.9219, 64.9268, 62.9337



19.7569, 21.1657, 20.3633



0.0000, 0.0000, 0.0000

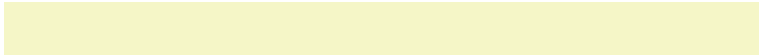


20.3446, 21.4041, 23.3091



# Same Dimension

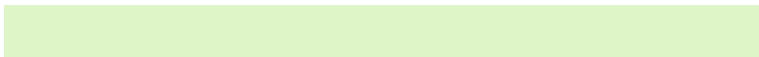
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9231, 89.4515, 67.0349



86.5438, 96.5444, 66.5073



73.3054, 85.5244, 66.6784



17.8776, 19.2945, 17.5795



36.9219, 45.1467, 6.7682



3.2560, 3.9736, 0.5954



# Inverse Universe

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



60.8808, 59.7824, 95.5240



61.0535, 58.8100, 102.7413



67.5795, 63.2357, 95.8375



15.6139, 15.9436, 20.7971



8.9287, 3.5772, 46.7579

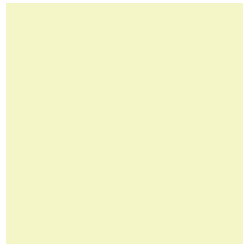


0.7961, 0.3202, 4.1101



# Previews

## White Background



This preview shows how the XYZ color 80.9208, 89.4475, 67.0330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

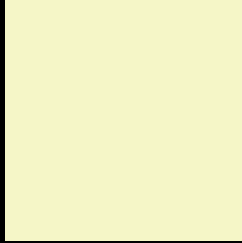
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.9208, 89.4475, 67.0330 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 80.9208, 89.4475, 67.0330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.9208, 89.4475, 67.0330.



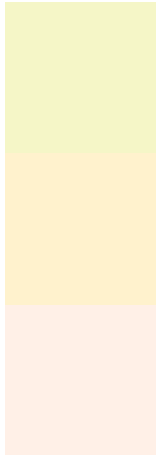
This preview shows how white text looks on a background with the XYZ color 80.9208, 89.4475,



# 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

80.9208, 89.4475, 67.0330

### Protanopia

84.0116, 89.1720, 70.5416

### Deuteranopia

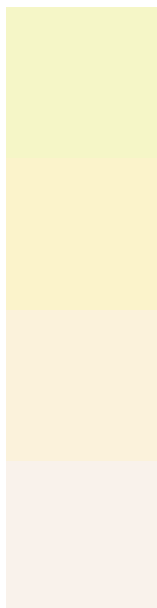
86.8239, 89.3497, 88.2714



## Tritanopia

88.7002, 89.4622, 107.2007

# Trichromacy



## Original Color

80.9208, 89.4475, 67.0330

## Protanomaly

82.6137, 88.9222, 69.3094

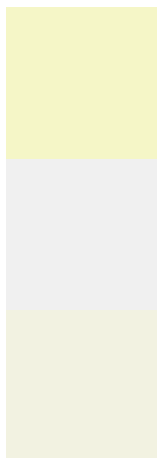
## Deuteranomaly

84.3220, 89.1280, 79.7770

## Tritanomaly

85.8144, 89.6422, 91.3770

# Monochromacy



## Original Color

80.9208, 89.4475, 67.0330

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

81.9607, 87.8177, 83.8649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.9208, 89.4475, 67.0330 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, 246, 199)` looks like.

```
.text, #text, p{  
    color:rgb(245, 246, 199)  
}
```

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, 246, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 246, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 80.9208, 89.4475, 67.0330 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, 246, 199) }
```



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

```
.border{ border-color:rgb(245, 246, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 246, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 246, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 246, 199);  
box-shadow:4px 4px 4px 4px rgb(245, 246,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.9208, 89.4475, 67.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 246, 199) }
```

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

```
.background{ background-color: rgb(245,  
246, 199) }
```

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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