

# Converting Colors

XYZ(107.0165, 100.0000,  
69.6192)

Have a look what the booklet for  
XYZ(107.0165, 100.0000, 69.6192)  
contains.

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# Color

**XYZ(83.0608, 87.8444,  
68.4550)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF0CA
RGB	255, 240, 202
RGB Percent	100%, 94%, 79%
CMY	0.0000, 0.0588, 0.2078
CMYK	0.00, 0.06, 0.21, 0.00
HSL	43°, 100%, 90%
HSV	43°, 21%, 100%
XYZ	83.0608, 87.8444, 68.4550
YIQ	240.1530, 21.1380, -8.6380

# Conversions

## Conversions Part 2

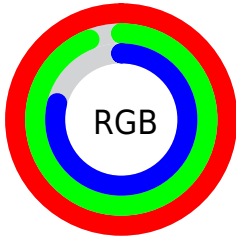
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 255, 202
Decimal	16773322
CIE Lab	95.10, -0.83, 20.21
CIE LCh	95, 20.226, 92.348
Yxy	87.8444, 0.3470, 0.3670
Android (android.graphics.Color)	4294963402 (0xFFFFF0CA)
YUV	240.1530, -18.8094, 13.0208
Hunter-Lab	93.7253, -5.8300, 22.3036

# Details

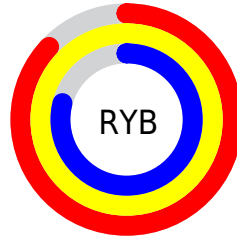
The XYZ color **83.0608, 87.8444, 68.4550** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.2194, 69.4004, 104.4605**, and the grayscale version is **83.0771, 87.4036, 95.1825**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7745, 48.4249, 34.9513** is the 20% darker color. If you saturate the color by 10%, you get **78.2063, 82.5746, 53.1517**, and if you desaturate by 10%, it is **88.5028, 93.4903, 86.4176**.

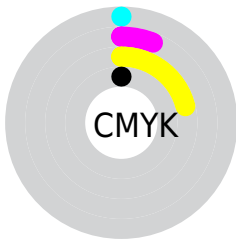
# Distribution



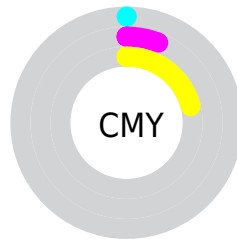
- Red (100%)
- Green (94%)
- Blue (79%)



- Red (87%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (6%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0608, 87.8444, 68.4550 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 83.0608, 87.8444, 68.4550 by changing the saturation by 10% instead.




 83.0608, 87.8444,  
68.4550

 83.0608, 87.8444,  
68.4550


493.7700,  
520.9935, 473.7482

 62.5574, 66.1942,  
49.7990


136.5887,  
144.3405, 118.6632

 45.7405, 48.4301,  
34.8836


170.3439,  
179.9552, 151.0524

 32.2449, 34.1676,  
23.2904


209.2471,  
220.9936, 188.8565

 21.7051, 23.0224,  
14.6008

253.6636,  
267.8399, 232.4939

 13.7557, 14.6100,  
8.3962

303.9588,  
320.8787, 282.3833

 8.0315, 8.5462,  
4.2581

360.4980,

 4.1671, 4.4464,

380.4943, 338.9431

1.7680

423.6466,  
447.0711, 402.5919

■ 1.7971, 1.9263,  
0.4067

■ 0.5159, 0.5641,  
0.0000

■ 83.0608, 87.8444,  
68.4550

■ 83.0608, 87.8444,  
68.4550

■ 78.2063, 82.5746,  
53.1517

■ 88.5028, 93.4903,  
86.4176

■ 73.9077, 77.6577,  
40.3731

■ 94.5499, 99.5118,  
107.1545

■ 70.1396, 73.0850,  
29.9806

■ 95.0500, 100.0000,  
108.9000

■ 66.8717, 68.8428,  
21.8206

■ 64.0704, 64.9160,  
15.7207

■ 61.6973, 61.2875,  
11.4838

■ 59.7064, 57.9373,  
8.8734

■ 58.1441, 55.0681,  
7.5647

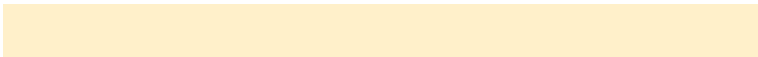
# Harmonies

## Analogous

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



88.5005, 87.8444, 71.2407



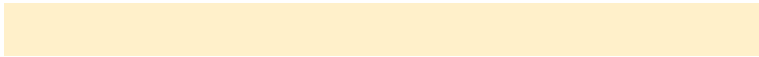
83.0608, 87.8444, 68.4550



77.9596, 87.8444, 72.2655

# Triad

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



83.0608, 87.8444, 68.4550



74.8706, 87.8444, 112.7930



93.2199, 87.8444, 110.4103

# Complementary

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



83.0608, 87.8444, 68.4550



67.2194, 69.4004, 104.4605

# 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.



89.2832, 87.8444, 123.5969



83.0608, 87.8444, 68.4550



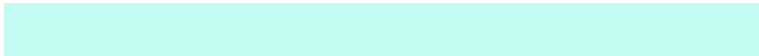
78.6790, 87.8444, 125.0753

# Square

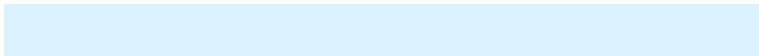
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0608, 87.8444, 68.4550



73.3624, 87.8444, 96.8943



83.9276, 87.8444, 129.2286



94.5168, 87.8444, 94.4117

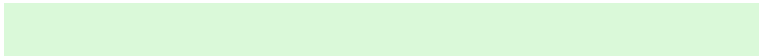


# Rectangle

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



83.0608, 87.8444, 68.4550



75.3940, 87.8444, 78.3067



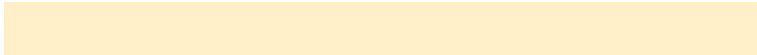
83.9276, 87.8444, 129.2286



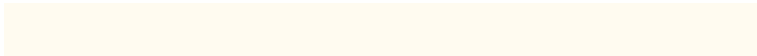
92.1531, 87.8444, 115.3764

# Sweetspot

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



83.0628, 87.8482, 68.4568



91.3183, 96.3227, 95.9838



74.8877, 68.5127, 74.9352



19.4618, 20.5331, 20.2568



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

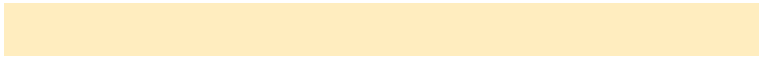


# Same Dimension

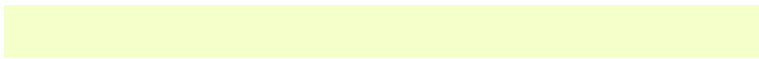
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0628, 87.8482, 68.4568



80.9454, 85.5803, 61.6870



83.5618, 94.9312, 69.7977



19.1014, 20.1710, 19.0310



30.5148, 29.0408, 3.9971



3.0640, 3.0134, 0.4201



# Inverse Universe

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



67.2194, 69.4004, 104.4605



62.4694, 64.0701, 103.6820



66.7524, 63.6807, 103.3811



17.4214, 18.2144, 22.8475



10.7557, 6.4209, 50.1071



1.1352, 0.8011, 4.9081



# Previews

## White Background



This preview shows how the XYZ color 83.0608, 87.8444, 68.4550 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 83.0608, 87.8444, 68.4550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

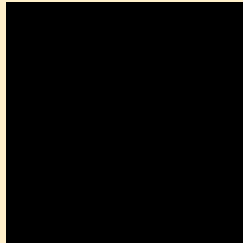
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.0608, 87.8444, 68.4550

## Background



This preview shows how black text looks on a background with the XYZ color 83.0608, 87.8444, 68.4550.



This preview shows how white text looks on a background with the XYZ color 83.0608, 87.8444,

68.4550.

# 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

83.0608, 87.8444, 68.4550

### Protanopia

82.6938, 87.6553, 68.4378

### Deuteranopia

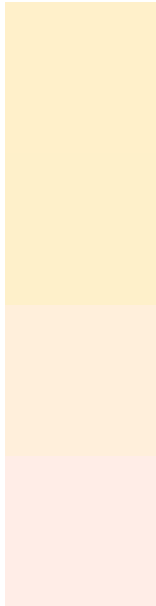
85.8181, 88.0105, 85.8634



## Tritanopia

88.1787, 88.0282, 101.1506

# Trichromacy



## Original Color

83.0608, 87.8444, 68.4550

## Protanomaly

82.6938, 87.6553, 68.4378

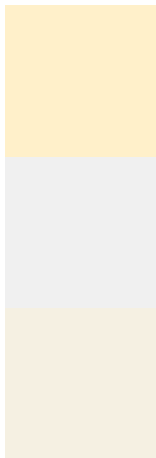
## Deuteranomaly

84.8927, 88.1075, 79.5500

## Tritanomaly

85.9480, 87.5979, 87.9794

# Monochromacy



## Original Color

83.0608, 87.8444, 68.4550

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.5437, 87.2236, 84.4368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0608, 87.8444, 68.4550 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, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 202)  
}
```

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, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0608, 87.8444, 68.4550 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, 240, 202) }
```



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

```
.border{ border-color:rgb(255, 240, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0608, 87.8444, 68.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 202) }
```

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

```
.background{ background-color: rgb(255,  
240, 202) }
```

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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