

# Converting Colors

XYZ(83.7617, 88.9893, 87.8534)

Have a look what the booklet for  
XYZ(83.7617, 88.9893, 87.8534)  
contains.

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# **Color**

**XYZ(83.6417, 89.0475,  
87.6424)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4F3E6
RGB	244, 243, 230
RGB Percent	96%, 95%, 90%
CMY	0.0431, 0.0470, 0.0980
CMYK	0.00, 0.00, 0.06, 0.04
HSL	56°, 39%, 93%
HSV	56°, 6%, 96%
XYZ	83.6417, 89.0475, 87.6424
YIQ	241.8170, 4.7690, -3.8310

# Conversions

## Conversions Part 2

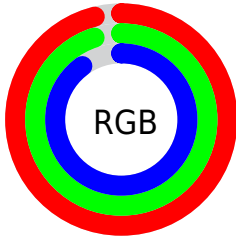
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	231, 244, 230
Decimal	16053222
CIE Lab	95.60, -1.89, 6.37
CIE LCh	96, 6.646, 106.549
Yxy	89.0475, 0.3213, 0.3421
Android (android.graphics.Color)	4294243302 (0xFFFF4F3E6)
YUV	241.8170, -5.8258, 1.9145
Hunter-Lab	94.3650, -6.9228, 10.9893

# Details

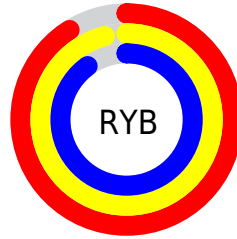
The XYZ color **83.6417, 89.0475, 87.6424** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5380, 80.5050, 97.0411**, and the grayscale version is **84.2975, 88.6875, 96.5807**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2472, 49.3272, 47.6410** is the 20% darker color. If you saturate the color by 10%, you get **79.9367, 86.7419, 70.6689**, and if you desaturate by 10%, it is **87.8363, 91.5626, 107.1476**.

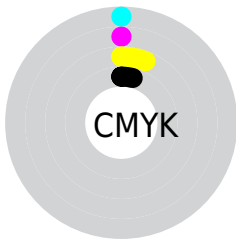
# Distribution



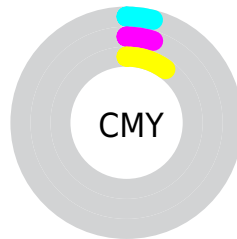
- Red (96%)
- Green (95%)
- Blue (90%)



- Red (91%)
- Yellow (96%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (4%)
- Magenta (5%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6417, 89.0475, 87.6424 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 83.6417, 89.0475, 87.6424 by changing the saturation by 10% instead.




 83.6417, 89.0475,  
87.6424

 83.6417, 89.0475,  
87.6424


495.6743,  
524.9275, 540.7024

 63.0384, 67.1909,  
65.4643


137.3977,  
146.0146, 145.9660

 46.1310, 49.2398,  
47.3839


171.2811,  
181.8939, 182.9485

 32.5543, 34.8097,  
32.9828


210.3219,  
223.2163, 225.7029

 21.9428, 23.5164,  
21.8422

254.8854,  
270.3661, 274.6478

 13.9313, 14.9752,  
13.5438

305.3371,  
323.7277, 330.2016

 8.1542, 8.8020,  
7.6690

362.0422,

 4.2464, 4.6123,

383.6856, 392.7830

3.7991

425.3662,  
450.6240, 462.8104

■ 1.8425, 2.0216,  
1.5158

■ 0.5431, 0.6200,  
0.2297

■ 83.6417, 89.0475,  
87.6424

■ 83.6417, 89.0475,  
87.6424

■ 79.9367, 86.7419,  
70.6689

■ 87.8363, 91.5626,  
107.1476

■ 76.6940, 84.6261,  
56.1168

■ 88.4588, 92.6538,  
107.8294

■ 73.8948, 82.6956,  
43.8767

■ 88.9901, 93.7164,  
108.0065

■ 71.5164, 80.9411,  
33.8280

■ 89.5264, 94.7889,  
108.1853

69.5338, 79.3528,  
25.8395

90.0676, 95.8713,  
108.3657

67.9194, 77.9194,  
19.7660

90.6137, 96.9636,  
108.5477

66.6419, 76.6285,  
15.4434

91.1186, 97.9733,  
108.7160

65.6651, 75.4656,  
12.6801

64.9438, 74.4126,  
11.2389

# Harmonies

## Analogous

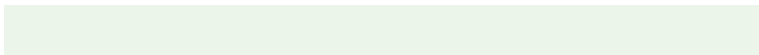
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4556, 89.0475, 87.5110



83.6417, 89.0475, 87.6424



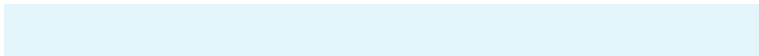
82.1157, 89.0475, 90.2110

# Triad

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



83.6417, 89.0475, 87.6424



82.2472, 89.0475, 104.4355



88.0948, 89.0475, 99.3134

# Complementary

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



83.6417, 89.0475, 87.6424



77.5380, 80.5050, 97.0411

# Split Complementary

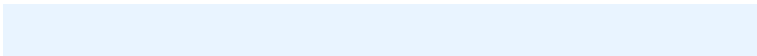
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2093, 89.0475, 104.0325



83.6417, 89.0475, 87.6424



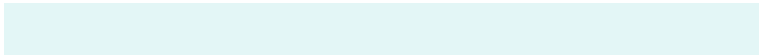
83.8236, 89.0475, 107.0606

# Square

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



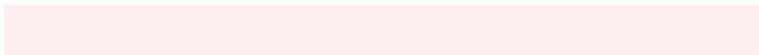
83.6417, 89.0475, 87.6424



81.3186, 89.0475, 99.8475



85.6401, 89.0475, 106.9105



88.0444, 89.0475, 94.1240

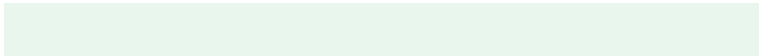


# Rectangle

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



83.6417, 89.0475, 87.6424



81.4593, 89.0475, 93.0141



85.6401, 89.0475, 106.9105



87.8962, 89.0475, 101.0110

# Sweetspot

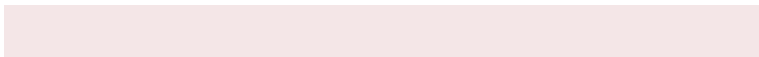
The Sweet Spot groups the original color and five complimentary colors.



83.6442, 89.0514, 87.6443



94.1241, 99.4448, 104.5942



80.0535, 81.6069, 87.2585



20.1561, 21.2911, 22.4325



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.



83.6442, 89.0514, 87.6443



91.9046, 98.0964, 94.3263



81.9505, 88.6215, 87.6506



17.9647, 19.1968, 18.2658



35.2144, 40.3144, 5.9255



3.1247, 3.6025, 0.5307



# Inverse Universe

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



77.5380, 80.5050, 97.0411



83.7217, 86.6435, 106.9190



79.1638, 80.9309, 97.0376



16.2365, 16.7780, 20.9253



9.0258, 3.8453, 46.8045

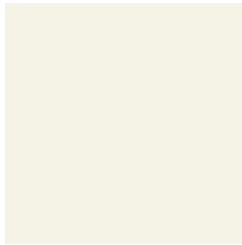


0.8256, 0.4026, 4.1244



# Previews

## White Background



This preview shows how the XYZ color 83.6417, 89.0475, 87.6424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

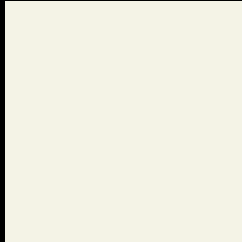
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6417, 89.0475, 87.6424 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

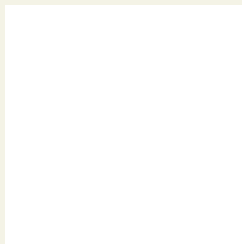
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.6417, 89.0475, 87.6424

## Background



This preview shows how black text looks on a background with the XYZ color 83.6417, 89.0475, 87.6424.



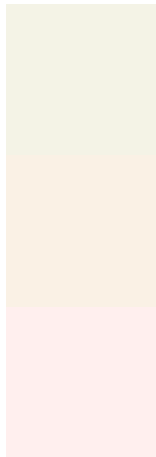
This preview shows how white text looks on a background with the XYZ color 83.6417, 89.0475,

87.6424.

# 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

83.6417, 89.0475, 87.6424

### Protanopia

85.0225, 88.8917, 86.8054

### Deuteranopia

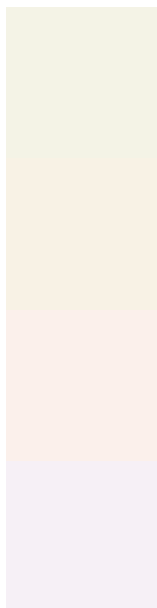
87.5391, 89.1661, 93.4859



## Tritanopia

87.2743, 88.7272, 107.1339

# Trichromacy



## Original Color

83.6417, 89.0475, 87.6424

## Protanomaly

84.6064, 89.1179, 86.8710

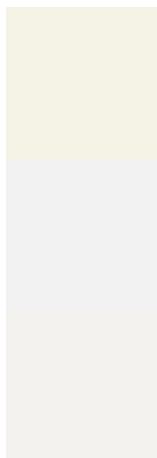
## Deuteranomaly

85.9391, 88.8276, 91.2132

## Tritanomaly

85.8007, 88.5668, 99.7617

# Monochromacy



## Original Color

83.6417, 89.0475, 87.6424

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.1469, 88.7320, 93.5809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6417, 89.0475, 87.6424 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(244, 243, 230) looks like.

```
.text, #text, p{  
    color:rgb(244, 243, 230)  
}
```

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(244, 243, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 243, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6417, 89.0475, 87.6424 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(244, 243, 230) }
```



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

```
.border{ border-color:rgb(244, 243, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 243, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 243, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 243, 230);  
box-shadow:4px 4px 4px 4px rgb(244, 243,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6417, 89.0475, 87.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 243, 230) }
```

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

```
.background{ background-color: rgb(244,  
243, 230) }
```

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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