

# Converting Colors

XYZ(82.7672, 89.7394, 75.5777)

Have a look what the booklet for  
XYZ(82.7672, 89.7394, 75.5777)  
contains.

<b>XYZ(83.0204, 89.8831, 75.9243)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(83.0204, 89.8831,  
75.9243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F5D5
RGB	247, 245, 213
RGB Percent	97%, 96%, 84%
CMY	0.0314, 0.0392, 0.1647
CMYK	0.00, 0.01, 0.14, 0.03
HSL	56°, 68%, 90%
HSV	56°, 14%, 97%
XYZ	83.0204, 89.8831, 75.9243
YIQ	241.9500, 11.4640, -9.5280

# Conversions

## Conversions Part 2

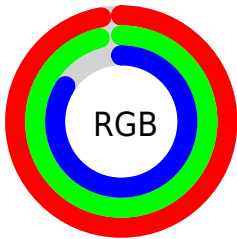
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 247, 213
Decimal	16250325
CIE Lab	95.95, -4.58, 15.66
CIE LCh	96, 16.318, 106.308
Yxy	89.8831, 0.3336, 0.3612
Android (android.graphics.Color)	4294440405 (0xFFFF7F5D5)
YUV	241.9500, -14.2724, 4.4288
Hunter-Lab	94.8067, -9.6027, 18.8833

# Details

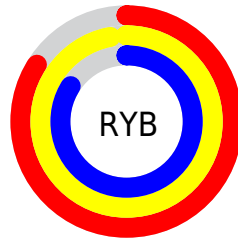
The XYZ color **83.0204, 89.8831, 75.9243** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.5293, 69.4610, 97.7917**, and the grayscale version is **84.4636, 88.8623, 96.7711**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6044, 49.8110, 39.5586** is the 20% darker color. If you saturate the color by 10%, you get **79.6853, 87.8533, 60.5052**, and if you desaturate by 10%, it is **86.8413, 92.1187, 93.8632**.

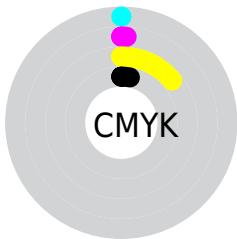
# Distribution



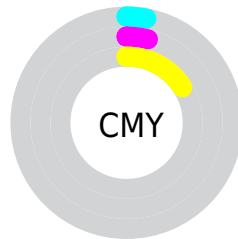
- Red (97%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (97%)
- Blue (84%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (3%)




- Cyan (3%)
- Magenta (4%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0204, 89.8831, 75.9243 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 83.0204, 89.8831, 75.9243 by changing the saturation by 10% instead.




 83.0204, 89.8831,  
75.9243

 83.0204, 89.8831,  
75.9243


493.6374,  
527.6505, 500.4285

 62.5240, 67.8837,  
55.8642


136.5324,  
147.1760, 129.3790

 45.7134, 49.8031,  
39.6908


170.2787,  
183.2383, 163.6106

 32.2234, 35.2570,  
26.9856


209.1723,  
224.7570, 203.4032

 21.6886, 23.8609,  
17.3300

253.5785,  
272.1165, 249.1752

 13.7436, 15.2305,  
10.3056

303.8628,  
325.7012, 301.3452

 8.0230, 8.9813,  
5.4938

360.3905,

 4.1616, 4.7290,

385.8955, 360.3317

2.4761

423.5269,  
453.0838, 426.5533

■ 1.7940, 2.0891,  
0.8274

■ 0.5140, 0.6585,  
0.0000

■ 83.0204, 89.8831,  
75.9243

■ 83.0204, 89.8831,  
75.9243

■ 79.6853, 87.8533,  
60.5052

■ 86.8413, 92.1187,  
93.8632

■ 76.8073, 86.0089,  
47.4869

■ 89.9460, 94.0703,  
108.0245

■ 74.3655, 84.3444,  
36.7491

■ 90.3931, 94.9643,  
108.1735

■ 72.3348, 82.8498,  
28.1590

■ 90.8435, 95.8653,  
108.3236

70.6873, 81.5140,  
21.5701

91.2975, 96.7732,  
108.4749

69.3918, 80.3243,  
16.8177

91.7549, 97.6880,  
108.6274

68.4118, 79.2663,  
13.7108

92.1680, 98.5143,  
108.7651

67.7033, 78.3223,  
12.0165

67.3585, 77.7752,  
11.4619

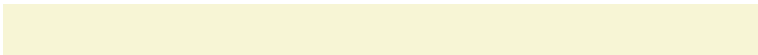
# Harmonies

## Analogous

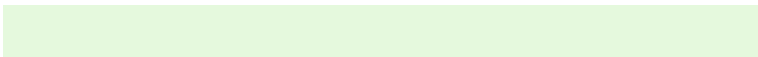
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4992, 89.8831, 75.6769



83.0204, 89.8831, 75.9243



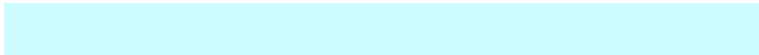
79.3161, 89.8831, 81.7023

# Triad

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



83.0204, 89.8831, 75.9243



79.5827, 89.8831, 116.9355



94.1320, 89.8831, 103.8613

# Complementary

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



83.0204, 89.8831, 75.9243



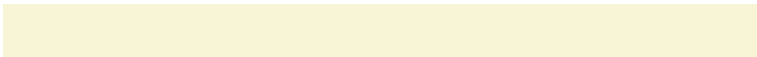
68.5293, 69.4610, 97.7917

# Split Complementary

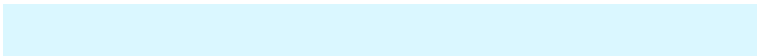
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.8528, 89.8831, 116.0354



83.0204, 89.8831, 75.9243



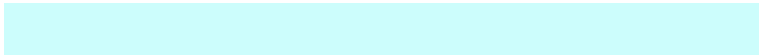
83.3960, 89.8831, 124.0201

# Square

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



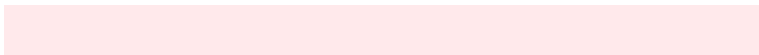
83.0204, 89.8831, 75.9243



77.3796, 89.8831, 105.0045



87.8882, 89.8831, 123.6769



94.0228, 89.8831, 91.0613

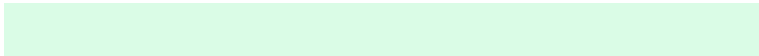


# Rectangle

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



83.0204, 89.8831, 75.9243



77.7376, 89.8831, 88.2282



87.8882, 89.8831, 123.6769



93.6164, 89.8831, 108.1843

# Sweetspot

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



83.0228, 89.8871, 75.9262



93.2603, 98.9792, 100.4157



74.4531, 72.2839, 74.4991



19.8916, 21.1454, 21.1624



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

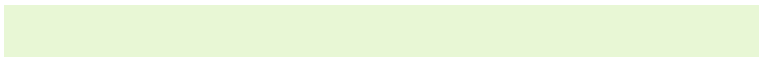
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0228, 89.8871, 75.9262



88.0336, 95.9039, 75.9276



78.6372, 88.5269, 75.8948



17.8265, 19.1372, 17.5519



35.6608, 41.2072, 6.0743



3.1591, 3.6714, 0.5422



# Inverse Universe

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



68.5293, 69.4610, 97.7917



69.1961, 69.3561, 104.3478



72.4942, 70.7555, 97.8326



15.6592, 16.0826, 20.8215



8.9976, 3.7891, 46.7952

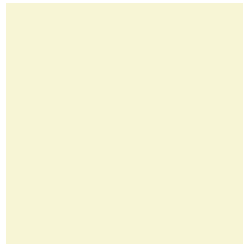


0.8177, 0.3868, 4.1218



# Previews

## White Background



This preview shows how the XYZ color 83.0204, 89.8831, 75.9243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

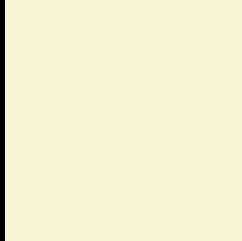
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0204, 89.8831, 75.9243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

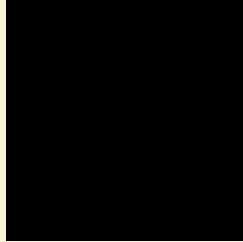
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.0204, 89.8831, 75.9243**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.0204, 89.8831, 75.9243.



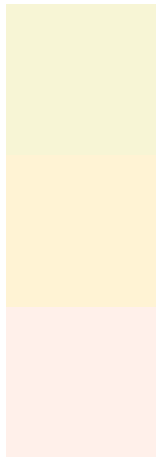
This preview shows how white text looks on a background with the XYZ color 83.0204, 89.8831,

75.9243.

# 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

83.0204, 89.8831, 75.9243

### Protanopia

85.1743, 90.1147, 75.1921

### Deuteranopia

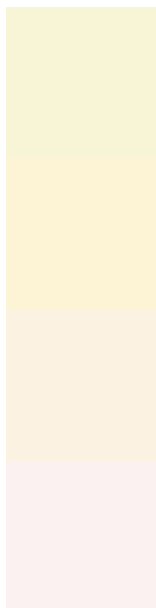
87.2514, 89.5207, 90.5225



## Tritanopia

88.7002, 89.4622, 107.2007

# Trichromacy



## Original Color

83.0204, 89.8831, 75.9243

## Protanomaly

84.3792, 90.1503, 75.2408

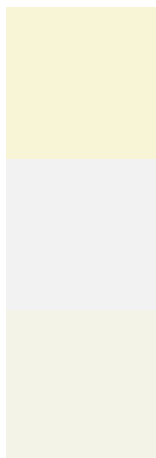
## Deuteranomaly

85.6245, 89.6907, 84.7506

## Tritanomaly

86.6078, 89.5259, 95.1536

# Monochromacy



## Original Color

83.0204, 89.8831, 75.9243

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.7826, 89.1038, 88.3842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0204, 89.8831, 75.9243 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, 245, 213) looks like.

```
.text, #text, p{  
    color:rgb(247, 245, 213)  
}
```

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, 245, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 245, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0204, 89.8831, 75.9243 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, 245, 213) }
```



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

```
.border{ border-color:rgb(247, 245, 213) }
```

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

Here you see how a box with a 4 pixel rgb(247, 245, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 245, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 245, 213);  
box-shadow:4px 4px 4px 4px rgb(247, 245,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0204, 89.8831, 75.9243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 245, 213) }
```

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

```
.background{ background-color: rgb(247,  
245, 213) }
```

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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