

# Converting Colors

XYZ(83.7099, 90.1175, 81.3905)

Have a look what the booklet for  
XYZ(83.7099, 90.1175, 81.3905)  
contains.

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# Color

**XYZ(83.7096, 90.1181,  
81.3892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F5DD
RGB	246, 245, 221
RGB Percent	96%, 96%, 87%
CMY	0.0353, 0.0392, 0.1333
CMYK	0.00, 0.00, 0.10, 0.04
HSL	58°, 58%, 92%
HSV	58°, 10%, 96%
XYZ	83.7096, 90.1181, 81.3892
YIQ	242.5630, 8.3000, -7.2520

# Conversions

## Conversions Part 2

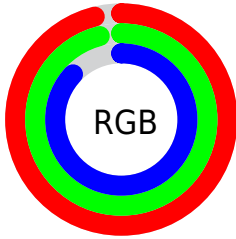
Format	Color
<b>R<sub>YB</sub></b>	222, 246, 221
Decimal	16184797
CIE Lab	96.05, -3.68, 11.67
CIE LCh	96, 12.240, 107.513
Yxy	90.1181, 0.3280, 0.3531
Android (android.graphics.Color)	4294374877 (0xFFFF6F5DD)
YUV	242.5630, -10.6306, 3.0142
Hunter-Lab	94.9306, -8.7275, 15.6188

# Details

The XYZ color **83.7096, 90.1181, 81.3892** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.5746, 74.2673, 97.6996**, and the grayscale version is **84.9234, 89.3461, 97.2979**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3157, 50.0955, 43.3047** is the 20% darker color. If you saturate the color by 10%, you get **80.3748, 88.3144, 65.2748**, and if you desaturate by 10%, it is **87.5312, 92.1250, 100.0374**.

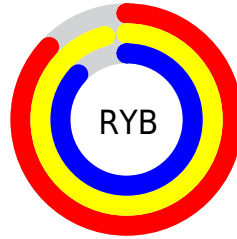
# Distribution



Red (96%)

Green (96%)

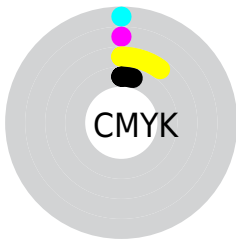
Blue (87%)



Red (87%)

Yellow (96%)

Blue (87%)

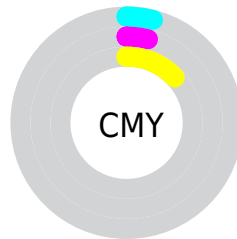


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7096, 90.1181, 81.3892 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 83.7096, 90.1181, 81.3892 by changing the saturation by 10% instead.



83.7096, 90.1181,  
81.3892

83.7096, 90.1181,  
81.3892

495.8966,  
528.4150, 519.4320

63.0946, 68.0786,  
60.3293

137.4922,  
147.5024, 137.1461

46.1767, 49.9617,  
43.2571

171.3906,  
183.6160, 172.6802

32.5905, 35.3830,  
29.7540

210.4475,  
225.1898, 213.8761

21.9706, 23.9580,  
19.4015

255.0282,  
272.6082, 261.1524

13.9518, 15.3025,  
11.7810

305.4981,  
326.2554, 314.9276

8.1686, 9.0319,  
6.4740

362.2226,

4.2558, 4.7620,

386.5161, 375.6202

3.0620

425.5669,  
453.7744, 443.6489

■ 1.8478, 2.1083,  
1.1264

■ 0.5462, 0.6693,  
0.0000

■ 83.7096, 90.1181,  
81.3892

■ 83.7096, 90.1181,  
81.3892

■ 80.3748, 88.3144,  
65.2748

■ 87.5312, 92.1250,  
100.0374

■ 77.4986, 86.6936,  
51.5789


■ 89.3063, 93.3128,  
107.9120


■ 75.0612, 85.2509,  
40.1857


■ 89.6065, 93.9132,  
108.0120


■ 73.0384, 83.9765,  
30.9679


■ 89.9083, 94.5167,  
108.1126


 71.4036, 82.8598,  
23.7858


 90.2116, 95.1234,  
108.2137


 70.1272, 81.8890,  
18.4834


 90.5165, 95.7332,  
108.3154


 69.1753, 81.0504,  
14.8821

 90.8230, 96.3463,  
108.4175

 68.5075, 80.3280,  
12.7693

 91.1311, 96.9624,  
108.5202

 68.0621, 79.7044,  
11.7972

 91.4408, 97.5818,  
108.6235

# Harmonies

## Analogous

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



87.0704, 90.1181, 81.0160



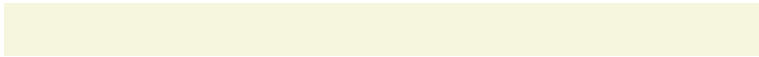
83.7096, 90.1181, 81.3892



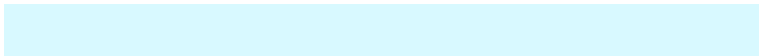
80.9411, 90.1181, 86.0570

# Triad

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



83.7096, 90.1181, 81.3892



81.3307, 90.1181, 112.5305



92.1718, 90.1181, 102.2115

# Complementary

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



83.7096, 90.1181, 81.3892



72.5746, 74.2673, 97.6996

# Split Complementary

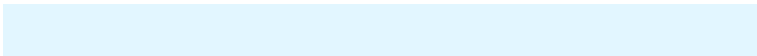
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5476, 90.1181, 111.2679



83.7096, 90.1181, 81.3892



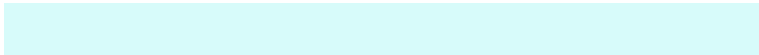
84.2541, 90.1181, 117.4837

# Square

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



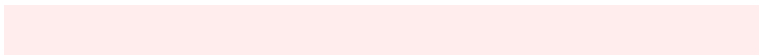
83.7096, 90.1181, 81.3892



79.5927, 90.1181, 103.8439



87.6294, 90.1181, 117.0070



92.0167, 90.1181, 92.6167

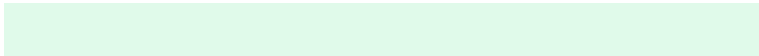


# Rectangle

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



83.7096, 90.1181, 81.3892



79.7769, 90.1181, 91.1611



87.6294, 90.1181, 117.0070



91.8141, 90.1181, 105.4312

# Sweetspot

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



83.7121, 90.1220, 81.3911



93.7455, 99.3229, 102.5094



77.0820, 76.5944, 80.0059



19.9925, 21.2212, 21.5849



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.



83.7121, 90.1220, 81.3911



90.1215, 97.4089, 84.8576



80.1864, 88.7527, 81.3126



17.8548, 19.1938, 17.5613



36.3543, 42.5941, 6.3054



3.2125, 3.7782, 0.5599



# Inverse Universe

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



72.5746, 74.2673, 97.6996



76.0072, 77.3165, 105.5253



75.8521, 75.5657, 97.7775



15.6340, 16.0324, 20.8131



8.9593, 3.7124, 46.7824

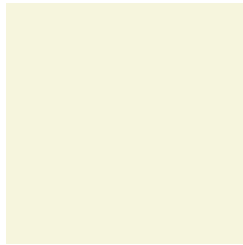


0.8057, 0.3628, 4.1178



# Previews

## White Background



This preview shows how the XYZ color 83.7096, 90.1181, 81.3892 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

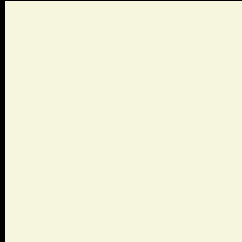
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7096, 90.1181, 81.3892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

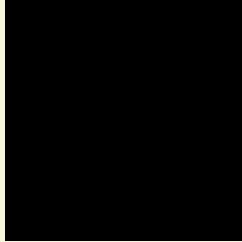
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

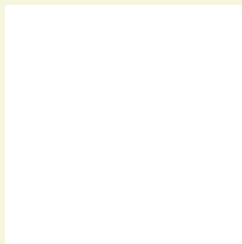
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.7096, 90.1181, 81.3892

## Background



This preview shows how black text looks on a background with the XYZ color 83.7096, 90.1181, 81.3892.



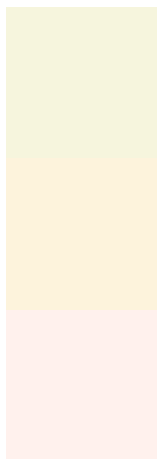
This preview shows how white text looks on a background with the XYZ color 83.7096, 90.1181,

81.3892.

# 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

83.7096, 90.1181, 81.3892

### Protanopia

85.4769, 90.1511, 80.6059

### Deuteranopia

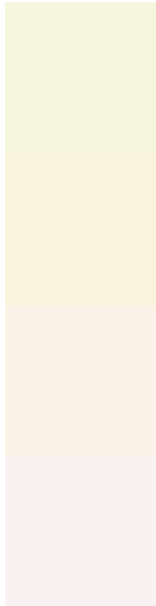
87.9814, 90.2850, 92.9104



## Tritanopia

88.9296, 90.4546, 107.3801

# Trichromacy



## Original Color

83.7096, 90.1181, 81.3892

## Protanomaly

84.6933, 90.1927, 80.6553

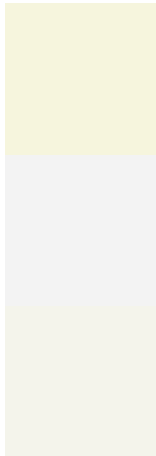
## Deuteranomaly

86.3208, 89.9692, 88.4175

## Tritanomaly

86.9967, 90.1151, 97.6027

# Monochromacy



## Original Color

83.7096, 90.1181, 81.3892

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.6543, 89.9326, 91.4942

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7096, 90.1181, 81.3892 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(246, 245, 221) looks like.

```
.text, #text, p{  
    color:rgb(246, 245, 221)  
}
```

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(246, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 245, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7096, 90.1181, 81.3892 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(246, 245, 221) }
```



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

```
.border{ border-color:rgb(246, 245, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 245, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(246, 245,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7096, 90.1181, 81.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 245, 221) }
```

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

```
.background{ background-color: rgb(246,  
245, 221) }
```

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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