

# Converting Colors

XYZ(83.4544, 89.8517, 82.5927)

Have a look what the booklet for  
XYZ(83.4544, 89.8517, 82.5927)  
contains.

<b>XYZ(83.6279, 90.0450, 82.7848)</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(83.6279, 90.0450,  
82.7848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5DF
RGB	245, 245, 223
RGB Percent	96%, 96%, 87%
CMY	0.0392, 0.0392, 0.1255
CMYK	0.00, 0.00, 0.09, 0.04
HSL	60°, 52%, 92%
HSV	60°, 9%, 96%
XYZ	83.6279, 90.0450, 82.7848
YIQ	242.4920, 7.0620, -6.8420

# Conversions

## Conversions Part 2

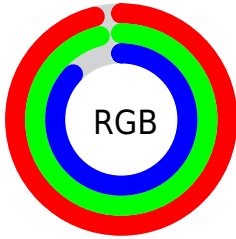
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 245, 223
Decimal	16119263
CIE <sub>Lab</sub>	96.02, -3.71, 10.59
CIE <sub>LCh</sub>	96, 11.220, 109.303
Yxy	90.0450, 0.3261, 0.3511
Android (android.graphics.Color)	4294309343 (0xFFFF5F5DF)
YUV	242.4920, -9.6096, 2.1995
Hunter-Lab	94.8920, -8.7499, 14.6992

# Details

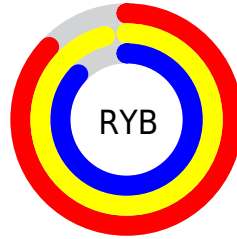
The XYZ color **83.6279, 90.0450, 82.7848** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.3040, 75.0583, 97.0151**, and the grayscale version is **84.8599, 89.2793, 97.2251**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2517, 50.0412, 44.2670** is the 20% darker color. If you saturate the color by 10%, you get **80.5600, 88.8206, 66.6278**, and if you desaturate by 10%, it is **87.1788, 91.4685, 101.4631**.

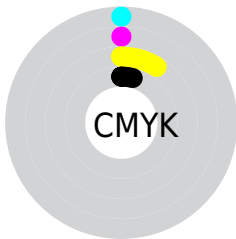
# Distribution



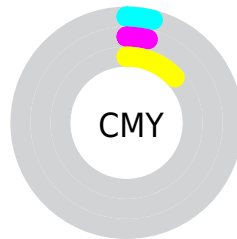
- Red (96%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)




- Cyan (4%)
- Magenta (4%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6279, 90.0450, 82.7848 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 83.6279, 90.0450, 82.7848 by changing the saturation by 10% instead.




 83.6279, 90.0450,  
82.7848

 83.6279, 90.0450,  
82.7848


495.6291,  
528.1772, 524.2212

 63.0269, 68.0180,  
61.4731

137.3785,  
147.4009, 139.1206

 46.1217, 49.9124,  
44.1740


171.2589,  
183.4986, 174.9816

 32.5469, 35.3438,  
30.4691


210.2964,  
225.0552, 216.5296

 21.9372, 23.9278,  
19.9399

254.8564,  
272.4552, 264.1830

 13.9271, 15.2801,  
12.1677

305.3044,  
326.0831, 318.3603

 8.1513, 9.0162,  
6.7341

362.0056,

 4.2445, 4.7517,

386.3231, 379.4800

3.2204

425.3254,  
453.5597, 447.9609

■ 1.8414, 2.1023,  
1.2083

■ 0.5424, 0.6659,  
0.0000

■ 83.6279, 90.0450,  
82.7848

■ 83.6279, 90.0450,  
82.7848

■ 80.5600, 88.8206,  
66.6278

■ 87.1788, 91.4685,  
101.4631

■ 77.9472, 87.7752,  
52.8788


■ 88.3645, 91.9430,  
107.6972


■ 75.7701, 86.9042,  
41.4242


■ 88.3663, 91.9440,  
107.6973


■ 74.0051, 86.1980,  
32.1392


■ 88.3682, 91.9449,  
107.6974


 72.6261, 85.6462,  
24.8871


 88.3700, 91.9459,  
107.6975


 71.6042, 85.2372,  
19.5156


 88.3719, 91.9468,  
107.6976


 70.9065, 84.9579,  
15.8512

 88.3737, 91.9478,  
107.6976

 70.4939, 84.7926,  
13.6879

 88.3756, 91.9487,  
107.6977

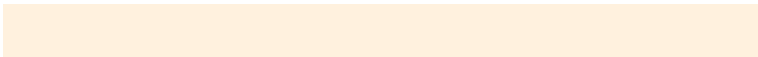
 70.3079, 84.7180,  
12.7183

 88.3774, 91.9497,  
107.6978

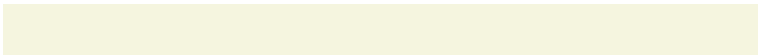
# Harmonies

## Analogous

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



86.6973, 90.0450, 82.1934



83.6279, 90.0450, 82.7848



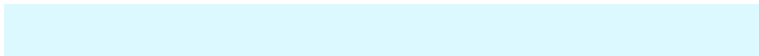
81.1407, 90.0450, 87.3183

# Triad

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



83.6279, 90.0450, 82.7848



81.7532, 90.0450, 111.5779



91.5828, 90.0450, 101.2498

# Complementary

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



83.6279, 90.0450, 82.7848



73.3040, 75.0583, 97.0151

# Split Complementary

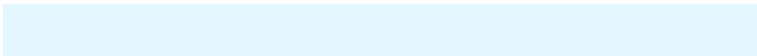
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1888, 90.0450, 109.6132



83.6279, 90.0450, 82.7848



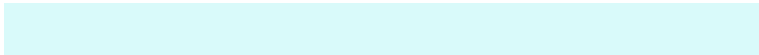
84.4824, 90.0450, 115.8110

# Square

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



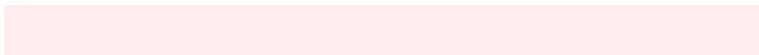
83.6279, 90.0450, 82.7848



80.0766, 90.0450, 103.8013



87.5725, 90.0450, 115.0711



91.3405, 90.0450, 92.5030

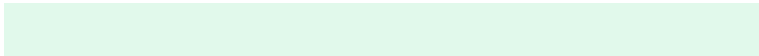


# Rectangle

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



83.6279, 90.0450, 82.7848



80.1241, 90.0450, 92.1276



87.5725, 90.0450, 115.0711



91.2887, 90.0450, 104.2078

# Sweetspot

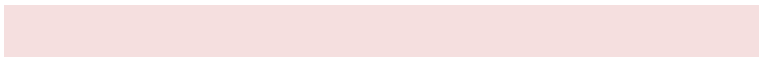
The Sweet Spot groups the original color and five complimentary colors.



83.6304, 90.0489, 82.7867



93.8420, 99.5167, 102.5418



77.3660, 77.5177, 80.6981



20.0187, 21.2737, 21.5937



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.



83.6304, 90.0489, 82.7867



90.8560, 98.3221, 86.8263



79.9067, 88.1293, 82.6125



17.9144, 19.3134, 17.5812



37.8669, 45.6339, 6.8124



3.3282, 4.0108, 0.5988



# Inverse Universe

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



73.3040, 75.0583, 97.0151



77.1701, 78.4546, 105.6837



76.8035, 76.8624, 97.1789



15.5816, 15.9269, 20.7955



8.8794, 3.5518, 46.7556

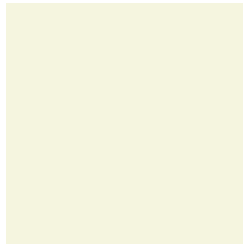


0.7805, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 83.6279, 90.0450, 82.7848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

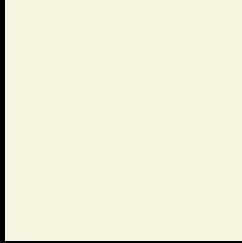
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6279, 90.0450, 82.7848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

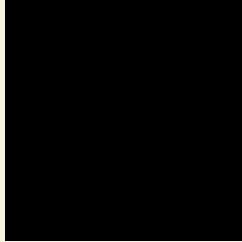
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

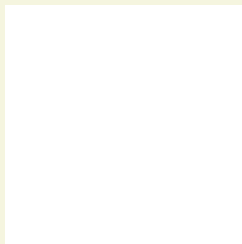
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.6279, 90.0450, 82.7848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.6279, 90.0450, 82.7848.



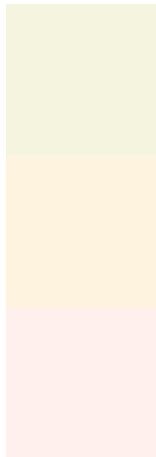
This preview shows how white text looks on a background with the XYZ color 83.6279, 90.0450,

82.7848.

# 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

83.6279, 90.0450, 82.7848

### Protanopia

85.7434, 90.2578, 82.0096

### Deuteranopia

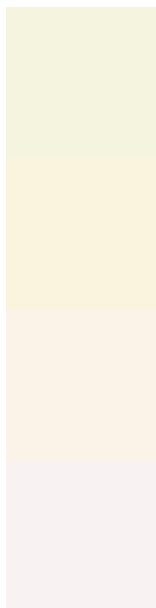
87.6862, 89.6946, 92.8120



## Tritanopia

88.5722, 90.2703, 107.3634

# Trichromacy



## Original Color

83.6279, 90.0450, 82.7848

## Protanomaly

84.9598, 90.2993, 82.0589

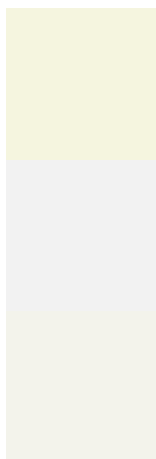
## Deuteranomaly

86.1013, 89.8397, 89.1467

## Tritanomaly

86.6412, 89.9318, 97.5861

# Monochromacy



## Original Color

83.6279, 90.0450, 82.7848

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.0081, 89.1540, 91.3780

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6279, 90.0450, 82.7848 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, 245, 223) looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 223)  
}
```

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, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6279, 90.0450, 82.7848 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, 245, 223) }
```



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

```
.border{ border-color:rgb(245, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6279, 90.0450, 82.7848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 223) }
```

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

```
.background{ background-color: rgb(245,  
245, 223) }
```

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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