

# Converting Colors

XYZ(116.6882, 101.2670,  
83.0814)

Have a look what the booklet for  
XYZ(116.6882, 101.2670, 83.0814)  
contains.

<b>XYZ(83.4159, 84.3009, 81.6873)</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(83.4159, 84.3009,  
81.6873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8DF
RGB	255, 232, 223
RGB Percent	100%, 91%, 87%
CMY	0.0000, 0.0902, 0.1255
CMYK	0.00, 0.09, 0.13, 0.00
HSL	17°, 100%, 94%
HSV	17°, 13%, 100%
XYZ	83.4159, 84.3009, 81.6873
YIQ	237.8510, 16.5970, 2.0770

# Conversions

## Conversions Part 2

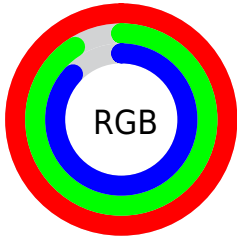
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 236, 223
Decimal	16771295
CIE <sub>Lab</sub>	93.58, 6.38, 7.20
CIE <sub>LCh</sub>	94, 9.621, 48.468
Yxy	84.3009, 0.3345, 0.3380
Android (android.graphics.Color)	4294961375 (0xFFFFE8DF)
YUV	237.8510, -7.3215, 15.0397
Hunter-Lab	91.8155, 1.4930, 11.5212

# Details

The XYZ color **83.4159, 84.3009, 81.6873** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4364, 88.8172, 107.4590**, and the grayscale version is **81.2003, 85.4291, 93.0322**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8819, 45.8836, 43.4840** is the 20% darker color. If you saturate the color by 10%, you get **75.3417, 73.2464, 63.2923**, and if you desaturate by 10%, it is **92.5496, 96.6452, 102.9921**.

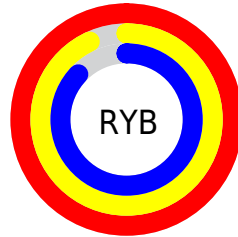
# Distribution



Red (100%)

Green (91%)

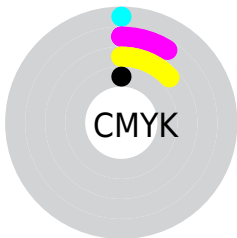
Blue (87%)



Red (100%)

Yellow (93%)

Blue (87%)

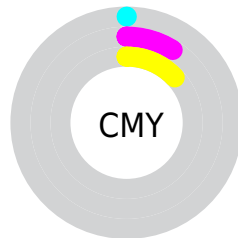


Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4159, 84.3009, 81.6873 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 83.4159, 84.3009, 81.6873 by changing the saturation by 10% instead.




 83.4159, 84.3009,  
81.6873

 83.4159, 84.3009,  
81.6873


494.9345,  
509.3119, 520.4571

 62.8514, 63.2639,  
60.5735


137.0833,  
139.3960, 137.5681

 45.9792, 46.0547,  
43.4527


170.9169,  
174.2229, 173.1723

 32.4340, 32.2890,  
29.9065


209.9043,  
214.4152, 214.4436

 21.8503, 21.5823,  
19.5162

254.4107,  
260.3574, 261.8007

 13.8629, 13.5503,  
11.8633

304.8016,  
312.4337, 315.6620

 8.1065, 7.8086,  
6.5292

361.4423,

 4.2155, 3.9727,

371.0286, 376.4462

3.0955

424.6982,  
436.5266, 444.5717

■ 1.8248, 1.6583,  
1.1436

■ 0.5325, 0.3964,  
0.0000

■ 83.4159, 84.3009,  
81.6873

■ 83.4159, 84.3009,  
81.6873

■ 75.3417, 73.2464,  
63.2923

■ 92.5496, 96.6452,  
102.9921

■ 68.2819, 63.4292,  
47.6748

95.0500, 100.0000,  
108.9000

■ 62.1961, 54.8083,  
34.7002

■ 57.0394, 47.3367,  
24.2203

■ 52.7628, 40.9641,  
16.0724

■ 49.3125, 35.6361,  
10.0740

■ 46.6279, 31.2932,  
6.0153

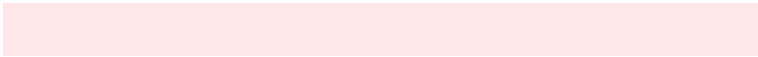
■ 44.6386, 27.8690,  
3.6427

■ 43.5417, 25.8634,  
2.6972

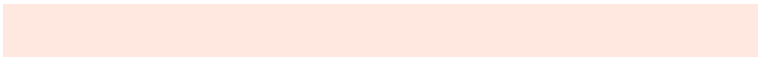
# Harmonies

## Analogous

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



84.8599, 84.3009, 87.4185



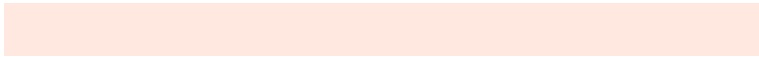
83.4159, 84.3009, 81.6873



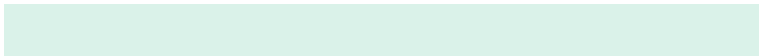
81.1083, 84.3009, 78.7240

# Triad

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



83.4159, 84.3009, 81.6873



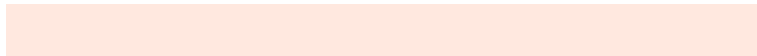
75.4232, 84.3009, 89.0146



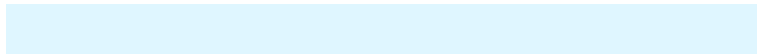
81.6865, 84.3009, 105.7424

# Complementary

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



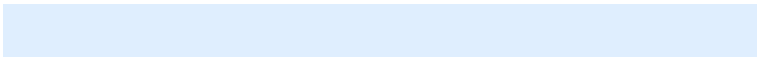
83.4159, 84.3009, 81.6873



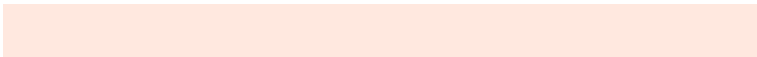
81.4364, 88.8172, 107.4590

# 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.



79.1507, 84.3009, 106.2257



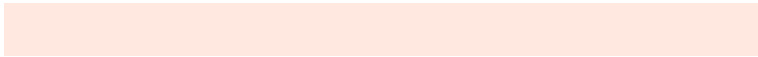
83.4159, 84.3009, 81.6873



75.5705, 84.3009, 96.3035

# Square

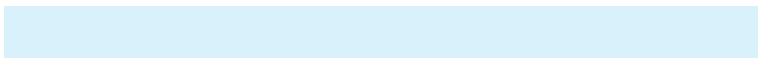
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4159, 84.3009, 81.6873



76.5158, 84.3009, 82.8023



76.9227, 84.3009, 102.6917

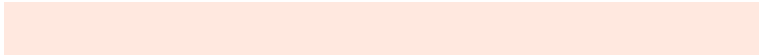


83.8469, 84.3009, 101.4042



# Rectangle

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



83.4159, 84.3009, 81.6873



79.4066, 84.3009, 78.6066



76.9227, 84.3009, 102.6917



80.8487, 84.3009, 106.3693

# Sweetspot

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



83.4178, 84.3044, 81.6891



91.1570, 94.7726, 99.7147



84.3345, 80.7188, 98.7006



19.3588, 20.0799, 20.9849



0.0000, 0.0000, 0.0000

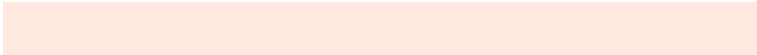


20.3446, 21.4041, 23.3091

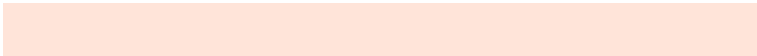


# Same Dimension

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



83.4178, 84.3044, 81.6891



81.3416, 81.4763, 76.9146



87.9837, 93.4363, 83.2110



18.4255, 18.8192, 18.8057



22.8595, 13.7302, 1.4454

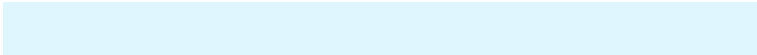


2.3135, 1.5123, 0.1700

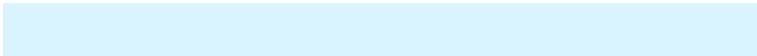


# Inverse Universe

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



81.4364, 88.8172, 107.4590



79.0129, 86.7772, 107.1930



76.9092, 79.7627, 105.9499



18.0975, 19.5666, 23.0728



18.4388, 21.7871, 52.6681

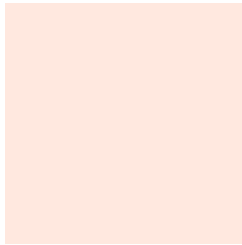


1.8879, 2.3066, 5.1590



# Previews

## White Background



This preview shows how the XYZ color 83.4159, 84.3009, 81.6873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

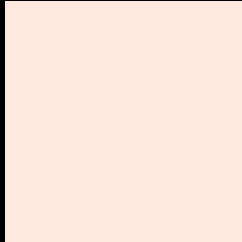
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.4159, 84.3009, 81.6873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

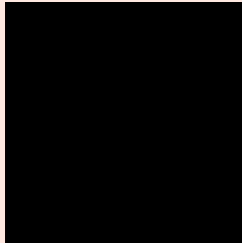
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

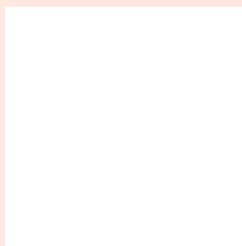
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.4159, 84.3009, 81.6873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.4159, 84.3009, 81.6873.



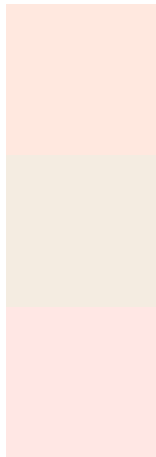
This preview shows how white text looks on a background with the XYZ color 83.4159, 84.3009,

81.6873.

# 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

83.4159, 84.3009, 81.6873

### Protanopia

80.8943, 84.6602, 83.3116

### Deuteranopia

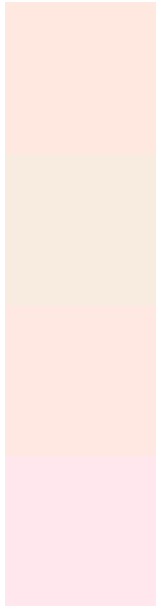
83.8195, 84.0133, 85.1972



## Tritanopia

86.0182, 84.4462, 98.1523

# Trichromacy



## Original Color

83.4159, 84.3009, 81.6873

## Protanomaly

81.8743, 84.7549, 82.5651

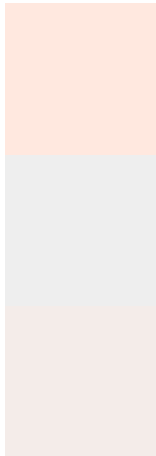
## Deuteranomaly

83.5434, 83.9028, 83.7432

## Tritanomaly

85.1020, 84.5263, 91.9506

# Monochromacy



## Original Color

83.4159, 84.3009, 81.6873

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.0117, 85.1072, 89.1956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.4159, 84.3009, 81.6873 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, 232, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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(255, 232, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 83.4159, 84.3009, 81.6873 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, 232, 223) }
```



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

```
.border{ border-color:rgb(255, 232, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.4159, 84.3009, 81.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 223) }
```

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

```
.background{ background-color: rgb(255,  
232, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor