

# Converting Colors

XYZ(84.1728, 93.4829, 58.2993)

Have a look what the booklet for  
XYZ(84.1728, 93.4829, 58.2993)  
contains.

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# Color

**XYZ(84.2844, 93.6733,  
58.4382)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFFBB7
RGB	255, 251, 183
RGB Percent	100%, 98%, 72%
CMY	0.0000, 0.0157, 0.2823
CMYK	0.00, 0.02, 0.28, 0.00
HSL	57°, 100%, 86%
HSV	57°, 28%, 100%
XYZ	84.2844, 93.6733, 58.4382
YIQ	244.4440, 24.2120, -20.3000

# Conversions

## Conversions Part 2

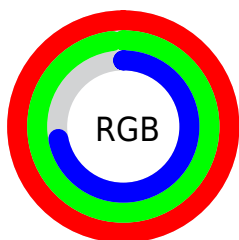
Format	Color
<a href="#">RYB</a>	<a href="#">187, 255, 183</a>
Decimal	<a href="#">16776119</a>
CIELab	<a href="#">97.50, -8.86, 33.16</a>
CIELCh	<a href="#">98, 34.320, 104.958</a>
Yxy	<a href="#">93.6733, 0.3565, 0.3963</a>
Android (android.graphics.Color)	<a href="#">4294966199</a> (0xFFFFFBB7)
YUV	<a href="#">244.4440, -30.2919, 9.2576</a>
Hunter-Lab	<a href="#">96.7850, -13.9284, 31.9505</a>

# Details

The XYZ color 84.2844, 93.6733, 58.4382 is a light color, and the websafe version is hex FFFCC. A complement of this color would be 55.3484, 52.8264, 101.8871, and the grayscale version is 86.5684, 91.0767, 99.1825.

A 20% lighter version of the original color is 92.5800, 99.0120, 95.8931, and 46.5035, 52.4855, 28.4486 is the 20% darker color. If you saturate the color by 10%, you get 81.4278, 91.8296, 45.5568, and if you desaturate by 10%, it is 87.6298, 95.7244, 73.8571.

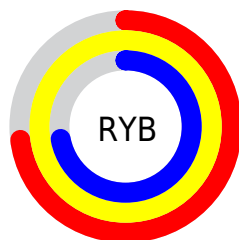
# Distribution



Red (100%)

Green (98%)

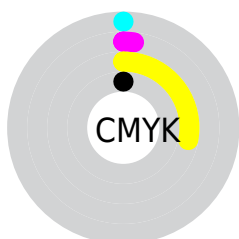
Blue (72%)



Red (73%)

Yellow (100%)

Blue (72%)

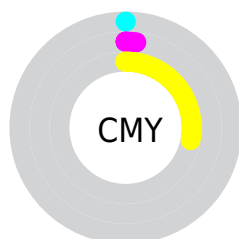


Cyan (0%)

Magenta (2%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (28%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 84.2844, 93.6733, 58.4382 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 84.2844, 93.6733, 58.4382 by changing the saturation by 10% instead.

 84.2844, 93.6733,  
58.4382

 84.2844, 93.6733,  
58.4382


497.7766,  
539.9089, 436.4606

 63.5708, 71.0313,  
41.7440


 138.2921,  
152.4304, 104.0818

 46.5635, 52.3677,  
28.5768


172.3170,  
189.3143, 133.8682

 32.8972, 37.2982,  
18.5181


211.5096,  
231.7143, 168.8559

 22.2066, 25.4385,  
11.1493

256.2353,  
280.0147, 209.4632

 14.1262, 16.4041,  
6.0519

306.8595,  
334.6000, 256.1088

 8.2908, 9.8105,  
2.8074


363.7475,


 4.3349, 5.2735,


395.8545, 309.2112


0.9971


427.2648,  
464.1627, 369.1890


 1.8933, 2.4086,  
0.0000


 0.5729, 0.8303,  
0.0000

 84.2844, 93.6733,  
58.4382


 84.2844, 93.6733,  
58.4382

 81.4278, 91.8296,  
45.5568


 87.6298, 95.7244,  
73.8571


 79.0271, 90.1702,  
35.0700


 91.4812, 97.9798,  
91.9340


 77.0562, 88.6881,  
26.8302


95.0500, 100.0000,  
108.9000

 75.4834, 87.3704,  
20.6708

 74.2728, 86.2028,  
16.4021

 73.3816, 85.1682,  
13.7999

 72.7514, 84.2433,  
12.5555

 72.6528, 84.0856,  
12.4009

# Harmonies

## Analogous

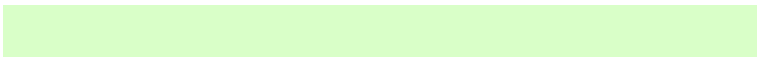
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9856, 93.6733, 58.4523



84.2844, 93.6733, 58.4382



76.4395, 93.6733, 68.5389

# Triad

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



84.2844, 93.6733, 58.4382



76.4219, 93.6733, 144.8043



108.3826, 93.6733, 116.5648

# Complementary

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



84.2844, 93.6733, 58.4382



55.3484, 52.8264, 101.8871

# 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.



102.9404, 93.6733, 144.8747



84.2844, 93.6733, 58.4382



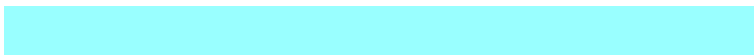
84.2588, 93.6733, 163.0909

# Square

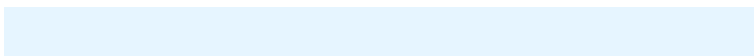
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2844, 93.6733, 58.4382



72.1303, 93.6733, 116.4815



93.9581, 93.6733, 163.1188



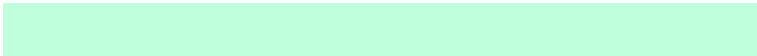
108.3908, 93.6733, 88.7610

# Rectangle

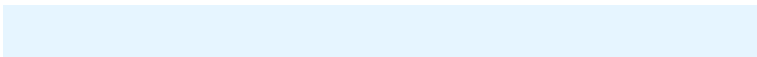
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2844, 93.6733, 58.4382



73.1137, 93.6733, 80.9243



93.9581, 93.6733, 163.1188



107.1115, 93.6733, 126.4367

# Sweetspot

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



84.2867, 93.6775, 58.4402



91.5777, 98.0353, 92.3906



67.2297, 58.7502, 55.2617



19.4698, 20.9079, 19.1538



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

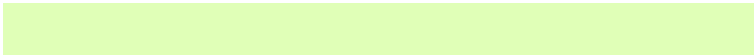
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2867, 93.6775, 58.4402



82.5809, 92.5884, 50.7114



74.9863, 90.7545, 58.3662



19.4698, 20.9079, 19.1538



38.0000, 44.0112, 6.4922



3.7252, 4.3358, 0.6406



# Inverse Universe

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



55.3484, 52.8264, 101.8871



49.2268, 45.5067, 100.7969



62.7743, 55.4144, 101.9952



17.0838, 17.5393, 22.7350



9.5467, 4.0030, 49.7041

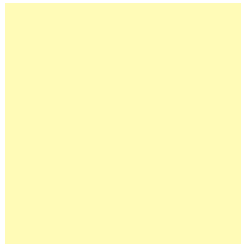


0.9567, 0.4441, 4.8486



# Previews

## White Background



This preview shows how the XYZ color 84.2844, 93.6733, 58.4382 looks on a white background.

## Color Contrast Check

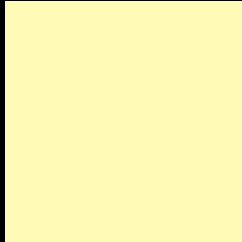
Large Text (above 18pt) WCAG AA × Fail

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 84.2844, 93.6733, 58.4382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

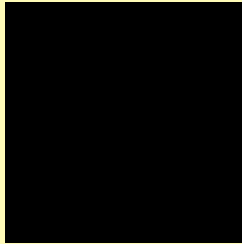
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.2844, 93.6733, 58.4382**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.2844, 93.6733, 58.4382.



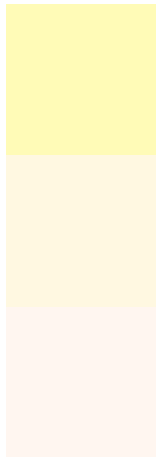
This preview shows how white text looks on a background with the XYZ color 84.2844, 93.6733,



# 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

84.2844, 93.6733, 58.4382

### Protanopia

88.3980, 93.8310, 84.6863

### Deuteranopia

89.9239, 93.4628, 95.7387



## Tritanopia

91.6220, 93.6567, 106.1771

# Trichromacy

	<b>Original Color</b> 84.2844, 93.6733, 58.4382
	<b>Protanomaly</b> 86.7485, 93.6645, 74.4797
	<b>Deuteranomaly</b> 87.5936, 93.5093, 80.4503
	<b>Tritanomaly</b> 88.5044, 93.3830, 86.7588

# Monochromacy

	<b>Original Color</b> 84.2844, 93.6733, 58.4382
	<b>Achromatopsia</b> 85.9880, 90.4661, 98.5176
	<b>Achromatomaly</b> 85.1570, 91.7519, 82.3289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2844, 93.6733, 58.4382 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, 251, 183) looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 183)  
}
```

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, 251, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2844, 93.6733, 58.4382 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, 251, 183) }
```

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

```
.border{ border-color:rgb(255, 251, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2844, 93.6733, 58.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 183) }
```

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

```
.background{ background-color: rgb(255,  
251, 183) }
```

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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