

# Converting Colors

XYZ(83.9415, 92.9872, 58.3245)

Have a look what the booklet for  
XYZ(83.9415, 92.9872, 58.3245)  
contains.

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# Color

**XYZ(83.9729, 93.0501,  
58.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAB7
RGB	255, 250, 183
RGB Percent	100%, 98%, 72%
CMY	0.0000, 0.0196, 0.2823
CMYK	0.00, 0.02, 0.28, 0.00
HSL	56°, 100%, 86%
HSV	56°, 28%, 100%
XYZ	83.9729, 93.0501, 58.3344
YIQ	243.8570, 24.4870, -19.7770

# Conversions

## Conversions Part 2

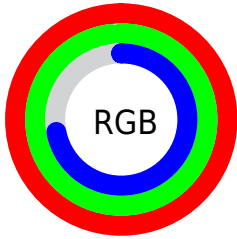
Format	Color
R <sub>Y</sub> B	188, 255, 183
Decimal	16775863
CIE Lab	97.25, -8.36, 32.82
CIE LCh	97, 33.867, 104.297
Yxy	93.0501, 0.3568, 0.3954
Android (android.graphics.Color)	4294965943 (0xFFFFFAB7)
YUV	243.8570, -30.0025, 9.7724
Hunter-Lab	96.4625, -13.4208, 31.6689

# Details

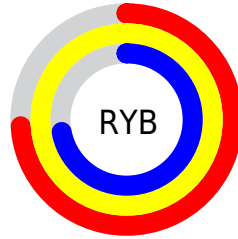
The XYZ color **83.9729, 93.0501, 58.3344** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.5614, 53.2523, 101.9581**, and the grayscale version is **86.0953, 90.5790, 98.6405**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **46.2802, 52.0389, 28.3742** is the 20% darker color. If you saturate the color by 10%, you get **81.0094, 90.9926, 45.4173**, and if you desaturate by 10%, it is **87.4269, 95.3184, 73.7895**.

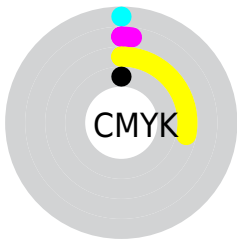
# Distribution



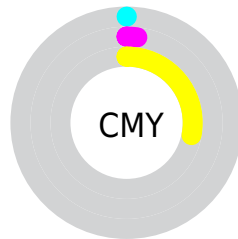
- Red (100%)
- Green (98%)
- Blue (72%)



- Red (74%)
- 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 83.9729, 93.0501, 58.3344 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 83.9729, 93.0501, 58.3344 by changing the saturation by 10% instead.





 83.9729, 93.0501,  
58.3344

 83.9729, 93.0501,  
58.3344


496.7583,  
537.9036, 436.0638

 63.3127, 70.5131,  
41.6611


 137.8587,  
151.5680, 103.9292

 46.3538, 51.9450,  
28.5124


171.8151,  
188.3177, 133.6878

 32.7309, 36.9612,  
18.4699


210.9341,  
230.5738, 168.6453

 22.0786, 25.1775,  
11.1149

255.5813,  
278.7206, 209.2201

 14.0316, 16.2093,  
6.0291

306.1220,  
333.1426, 255.8308

 8.2245, 9.6724,  
2.7937

362.9214,

 4.2920, 5.1823,

394.2242, 308.8960

0.9903

426.3451,  
462.3497, 368.8341

■ 1.8686, 2.3546,  
0.0000

■ 0.5585, 0.8024,  
0.0000

■ 83.9729, 93.0501,  
58.3344

■ 83.9729, 93.0501,  
58.3344

■ 81.0094, 90.9926,  
45.4173

■ 87.4269, 95.3184,  
73.7895

■ 78.5037, 89.1233,  
34.8956

■ 91.3888, 97.7950,  
91.9033

■ 76.4296, 87.4349,  
26.6214

95.0500, 100.0000,  
108.9000

■ 74.7555, 85.9146,  
20.4282

■ 73.4454, 84.5480,  
16.1263

■ 72.4566, 83.3181,  
13.4916

■ 71.7304, 82.2014,  
12.2152

■ 71.6151, 82.0103,  
12.0550

# Harmonies

## Analogous

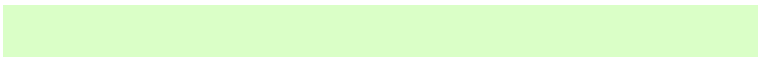
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5177, 93.0501, 58.5664



83.9729, 93.0501, 58.3344



76.1983, 93.0501, 68.0732

# Triad

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



83.9729, 93.0501, 58.3344



75.9095, 93.0501, 142.7740



107.3724, 93.0501, 116.2647

# Complementary

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



83.9729, 93.0501, 58.3344



55.5614, 53.2523, 101.9581

# 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.



101.9302, 93.0501, 143.9269



83.9729, 93.0501, 58.3344



83.5521, 93.0501, 161.0138

# Square

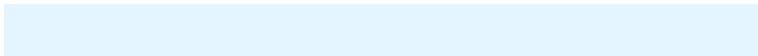
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9729, 93.0501, 58.3344



71.7757, 93.0501, 114.9004



93.0655, 93.0501, 161.4702



107.5055, 93.0501, 88.8464

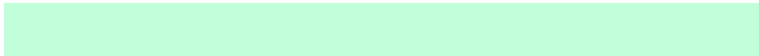


# Rectangle

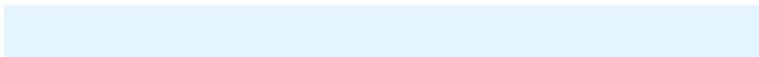
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9729, 93.0501, 58.3344



72.8699, 93.0501, 80.1278



93.0655, 93.0501, 161.4702



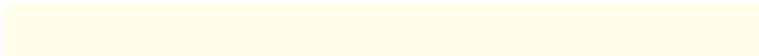
106.0866, 93.0501, 125.9437

# Sweetspot

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



83.9751, 93.0542, 58.3363



91.4879, 97.8556, 92.3607



67.3595, 58.8022, 55.9451



19.4470, 20.8622, 19.1462



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

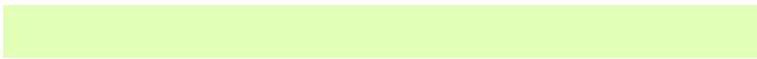
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9751, 93.0542, 58.3363



82.2074, 91.8415, 50.5869



75.3591, 90.9467, 58.3837



19.4470, 20.8622, 19.1462



37.4663, 42.9438, 6.3143



3.6790, 4.2434, 0.6252



# Inverse Universe

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



55.5614, 53.2523, 101.9581



49.4591, 45.9711, 100.8743



62.4250, 55.2343, 101.9789



17.1042, 17.5799, 22.7417



9.5788, 4.0673, 49.7148

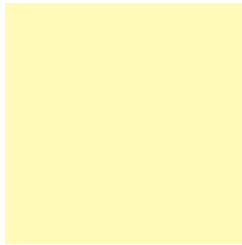


0.9663, 0.4633, 4.8518



# Previews

## White Background



This preview shows how the XYZ color 83.9729, 93.0501, 58.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

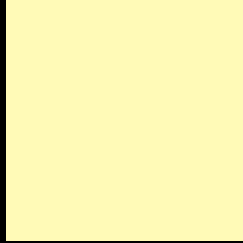
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9729, 93.0501, 58.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

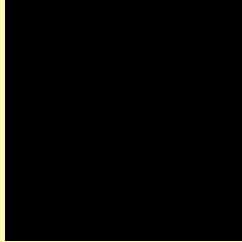
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.9729, 93.0501, 58.3344

## Background



This preview shows how black text looks on a background with the XYZ color 83.9729, 93.0501, 58.3344.



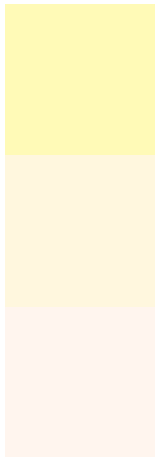
This preview shows how white text looks on a background with the XYZ color 83.9729, 93.0501,

58.3344.

# 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

83.9729, 93.0501, 58.3344

### Protanopia

87.6856, 93.0555, 82.4472

### Deuteranopia

89.3250, 92.7379, 94.0812



## Tritanopia

91.1614, 92.9896, 105.2395

# Trichromacy



## Original Color

83.9729, 93.0501, 58.3344

## Protanomaly

86.1926, 92.9489, 73.0726

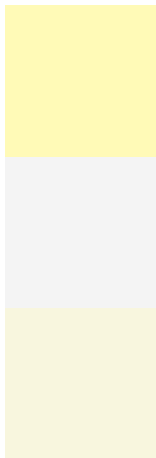
## Deuteranomaly

87.1557, 92.8435, 79.6567

## Tritanomaly

88.0609, 92.7176, 85.9280

# Monochromacy



## Original Color

83.9729, 93.0501, 58.3344

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.8520, 91.1419, 82.2272

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9729, 93.0501, 58.3344 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, 250, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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, 250, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9729, 93.0501, 58.3344 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, 250, 183) }
```



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

```
.border{ border-color:rgb(255, 250, 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, 250, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9729, 93.0501, 58.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 183) }
```

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

```
.background{ background-color: rgb(255,  
250, 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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