

# Converting Colors

XYZ(82.5529, 89.6491, 59.5907)

Have a look what the booklet for  
XYZ(82.5529, 89.6491, 59.5907)  
contains.

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# Color

**XYZ(82.4536, 89.5065,  
59.3851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4BA
RGB	255, 244, 186
RGB Percent	100%, 96%, 73%
CMY	0.0000, 0.0431, 0.2706
CMYK	0.00, 0.04, 0.27, 0.00
HSL	50°, 100%, 86%
HSV	50°, 27%, 100%
XYZ	82.4536, 89.5065, 59.3851
YIQ	240.6770, 25.1740, -15.7060

# Conversions

## Conversions Part 2

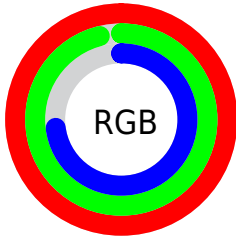
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 255, 186
Decimal	16774330
CIE Lab	95.79, -5.00, 29.34
CIE LCh	96, 29.760, 99.667
Yxy	89.5065, 0.3564, 0.3869
Android (android.graphics.Color)	4294964410 (0xFFFFF4BA)
YUV	240.6770, -26.9558, 12.5613
Hunter-Lab	94.6079, -9.9957, 29.0093

# Details

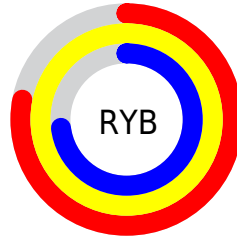
The XYZ color **82.4536, 89.5065, 59.3851** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.2655, 57.5900, 102.6528**, and the grayscale version is **83.5483, 87.8993, 95.7224**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **45.4368, 49.6381, 29.0161** is the 20% darker color. If you saturate the color by 10%, you get **78.7726, 86.1025, 45.9562**, and if you desaturate by 10%, it is **86.6497, 93.1658, 75.3745**.

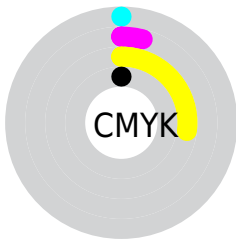
# Distribution



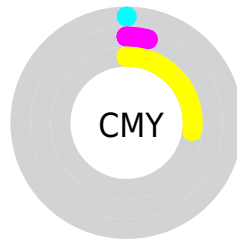
- Red (100%)
- Green (96%)
- Blue (73%)



- Red (78%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4536, 89.5065, 59.3851 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 82.4536, 89.5065, 59.3851 by changing the saturation by 10% instead.




 82.4536, 89.5065,  
59.3851

 82.4536, 89.5065,  
59.3851


491.7752,  
526.4242, 440.0691

 62.0549, 67.5714,  
42.5012

 135.7424,  
146.6527, 105.4718

 45.3328, 49.5491,  
29.1654


169.3632,  
182.6326, 135.5116

 31.9220, 35.0553,  
18.9593


208.1221,  
224.0629, 170.7738

 21.4572, 23.7055,  
11.4644

252.3845,  
271.3280, 211.6769

 13.5730, 15.1153,  
6.2620

302.5156,  
324.8123, 258.6394

 7.9040, 8.9003,  
2.9337

358.8808,

 4.0849, 4.6762,

384.9002, 312.0799

1.0609

421.8456,  
451.9760, 372.4170

■ 1.7503, 2.0586,  
0.0000

■ 0.4874, 0.6412,  
0.0000

■ 82.4536, 89.5065,  
59.3851

■ 82.4536, 89.5065,  
59.3851

■ 78.7726, 86.1025,  
45.9562

■ 86.6497, 93.1658,  
75.3745

■ 75.5744, 82.9314,  
34.9467

■ 91.3784, 97.0785,  
94.0443

■ 72.8327, 79.9854,  
26.2102

95.0500, 100.0000,  
108.9000

■ 70.5162, 77.2519,  
19.5825

■ 68.5894, 74.7162,  
14.8769

■ 67.0103, 72.3614,  
11.8743

■ 65.7258, 70.1658,  
10.2947

■ 65.3803, 69.5407,  
9.9768

# Harmonies

## Analogous

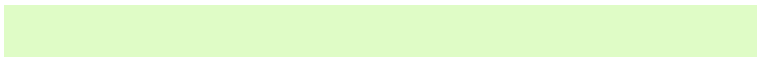
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6687, 89.5065, 60.9598



82.4536, 89.5065, 59.3851



75.4029, 89.5065, 66.6741

# Triad

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



82.4536, 89.5065, 59.3851



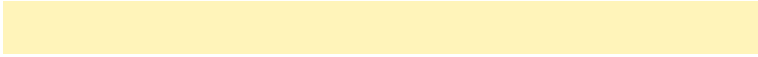
73.5073, 89.5065, 129.2072



100.7264, 89.5065, 114.0000

# Complementary

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



82.4536, 89.5065, 59.3851



58.2655, 57.5900, 102.6528

# 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.



95.5370, 89.5065, 136.5009



82.4536, 89.5065, 59.3851



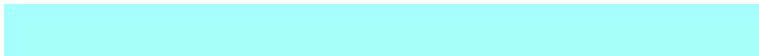
79.7128, 89.5065, 146.2125

# Square

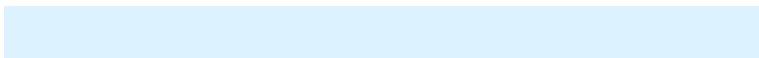
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4536, 89.5065, 59.3851



70.4612, 89.5065, 105.2364



87.7478, 89.5065, 149.0771



101.5775, 89.5065, 90.0714

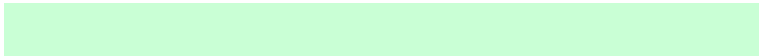


# Rectangle

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



82.4536, 89.5065, 59.3851



72.1806, 89.5065, 76.3906



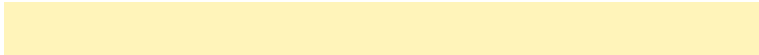
87.7478, 89.5065, 149.0771



99.4163, 89.5065, 122.0796

# Sweetspot

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



82.4558, 89.5105, 59.3870



90.9095, 96.6987, 92.1679



68.9350, 60.4330, 61.1568



19.3003, 20.5687, 19.0973



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.



82.4558, 89.5105, 59.3870



80.5733, 87.7960, 52.4381



77.9021, 92.2212, 60.1502



19.3003, 20.5687, 19.0973



34.2548, 36.5209, 5.2438



3.3984, 3.6822, 0.5316



# Inverse Universe

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



58.2655, 57.5900, 102.6528



53.0158, 51.4372, 101.7419



61.9043, 55.8943, 102.1337



17.2367, 17.8450, 22.7859



9.9078, 4.7252, 49.8244

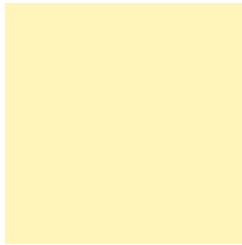


1.0286, 0.5878, 4.8725



# Previews

## White Background



This preview shows how the XYZ color 82.4536, 89.5065, 59.3851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

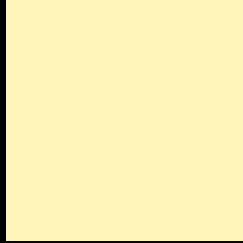
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.4536, 89.5065, 59.3851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

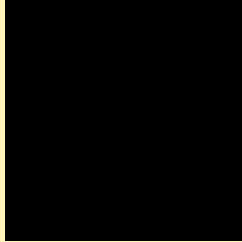
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.4536, 89.5065, 59.3851

## Background



This preview shows how black text looks on a background with the XYZ color 82.4536, 89.5065, 59.3851.



This preview shows how white text looks on a background with the XYZ color 82.4536, 89.5065,



# 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

82.4536, 89.5065, 59.3851

### Protanopia

84.1897, 89.7208, 70.0073

### Deuteranopia

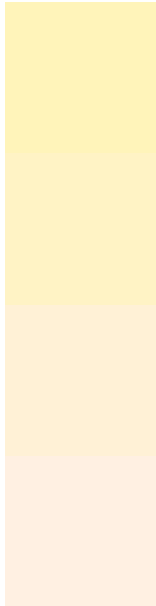
86.6830, 89.2933, 87.5296



## Tritanopia

88.9134, 89.2486, 102.1630

# Trichromacy



## Original Color

82.4536, 89.5065, 59.3851

## Protanomaly

83.3686, 89.3924, 65.6838

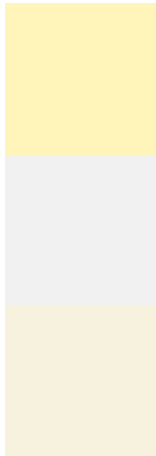
## Deuteranomaly

84.8329, 89.0256, 76.3308

## Tritanomaly

86.1276, 89.0712, 84.6046

# Monochromacy



## Original Color

82.4536, 89.5065, 59.3851

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.8093, 88.3175, 81.0891

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4536, 89.5065, 59.3851 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, 244, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 186)  
}
```

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, 244, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4536, 89.5065, 59.3851 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, 244, 186) }
```



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

```
.border{ border-color:rgb(255, 244, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.4536, 89.5065, 59.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 186) }
```

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

```
.background{ background-color: rgb(255,  
244, 186) }
```

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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