

# Converting Colors

XYZ(102.3072, 100.0000,  
60.5521)

Have a look what the booklet for  
XYZ(102.3072, 100.0000, 60.5521)  
contains.

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# Color

**XYZ(82.7553, 90.1100,  
59.4857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5BA
RGB	255, 245, 186
RGB Percent	100%, 96%, 73%
CMY	0.0000, 0.0392, 0.2706
CMYK	0.00, 0.04, 0.27, 0.00
HSL	51°, 100%, 86%
HSV	51°, 27%, 100%
XYZ	82.7553, 90.1100, 59.4857
YIQ	241.2640, 24.8990, -16.2290

# Conversions

## Conversions Part 2

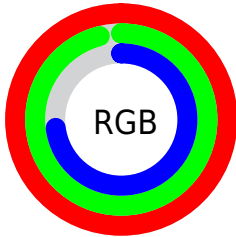
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 255, 186
Decimal	16774586
CIE Lab	96.04, -5.50, 29.68
CIE LCh	96, 30.183, 100.494
Yxy	90.1100, 0.3562, 0.3878
Android (android.graphics.Color)	4294964666 (0xFFFFF5BA)
YUV	241.2640, -27.2452, 12.0465
Hunter-Lab	94.9263, -10.5074, 29.2942

# Details

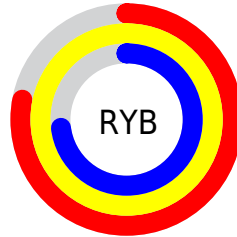
The XYZ color **82.7553, 90.1100, 59.4857** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.0392, 57.1373, 102.5774**, and the grayscale version is **84.0132, 88.3884, 96.2550**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **45.6512, 50.0669, 29.0876** is the 20% darker color. If you saturate the color by 10%, you get **79.1773, 86.9118, 46.0911**, and if you desaturate by 10%, it is **86.8439, 93.5544, 75.4393**.

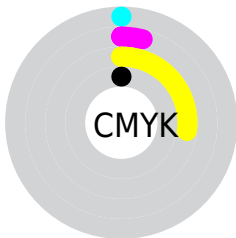
# Distribution



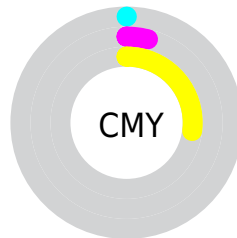
- Red (100%)
- Green (96%)
- Blue (73%)



- 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 82.7553, 90.1100, 59.4857 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 82.7553, 90.1100, 59.4857 by changing the saturation by 10% instead.





 82.7553, 90.1100,  
59.4857

 82.7553, 90.1100,  
59.4857


492.7669,  
528.3886, 440.4514

 62.3045, 68.0719,  
42.5816

 136.1630,  
147.4912, 105.6193

 45.5353, 49.9562,  
29.2280


169.8506,  
183.6030, 135.6859

 32.0824, 35.3786,  
19.0063

208.6813,  
225.1749, 170.9772

 21.5803, 23.9547,  
11.4980

253.0203,  
272.5912, 211.9116

 13.6637, 15.3000,  
6.2845

303.2330,  
326.2363, 258.9076

 7.9673, 9.0302,  
2.9473

359.6847,

 4.1256, 4.7609,

386.4947, 312.3839

1.0678

422.7409,  
453.7506, 372.7590

■ 1.7735, 2.1077,  
0.0000

■ 0.5016, 0.6689,  
0.0000

■ 82.7553, 90.1100,  
59.4857

■ 82.7553, 90.1100,  
59.4857

■ 79.1773, 86.9118,  
46.0911

■ 86.8439, 93.5544,  
75.4393

■ 76.0773, 83.9372,  
35.1143

■ 91.4604, 97.2426,  
94.0717

■ 73.4293, 81.1787,  
26.4091

95.0500, 100.0000,  
108.9000

■ 71.2020, 78.6236,  
19.8111

■ 69.3599, 76.2573,  
15.1338

■ 67.8612, 74.0631,  
12.1579

■ 66.6526, 72.0193,  
10.6036

■ 66.3286, 71.4372,  
10.2929

# Harmonies

## Analogous

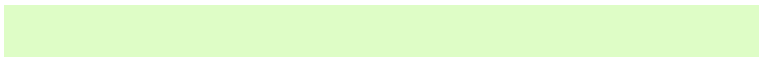
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1214, 90.1100, 60.8355



82.7553, 90.1100, 59.4857



75.6366, 90.1100, 67.1317

# Triad

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



82.7553, 90.1100, 59.4857



74.0062, 90.1100, 131.1110



101.6926, 90.1100, 114.2857

# Complementary

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



82.7553, 90.1100, 59.4857



58.0392, 57.1373, 102.5774

# 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.



96.5035, 90.1100, 137.4084



82.7553, 90.1100, 59.4857



80.3960, 90.1100, 148.1623

# Square

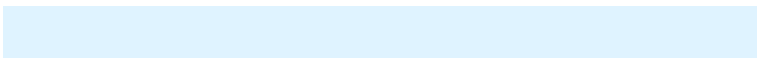
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7553, 90.1100, 59.4857



70.8077, 90.1100, 106.7313



88.6050, 90.1100, 150.6377



102.4266, 90.1100, 89.9744

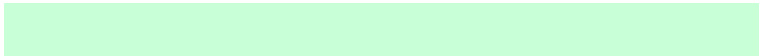


# Rectangle

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



82.7553, 90.1100, 59.4857



72.4177, 90.1100, 77.1623



88.6050, 90.1100, 150.6377



100.3963, 90.1100, 122.5527

# Sweetspot

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



82.7575, 90.1140, 59.4876



91.0023, 96.8843, 92.1988



68.8033, 60.3803, 60.4631



19.3238, 20.6158, 19.1051



0.0000, 0.0000, 0.0000

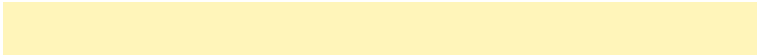


20.3446, 21.4041, 23.3091

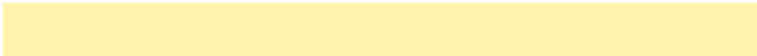


# Same Dimension

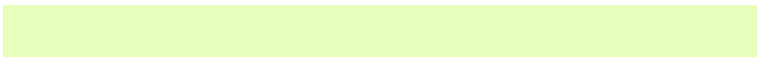
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7575, 90.1140, 59.4876



80.9265, 88.5024, 52.5558



77.5300, 92.0294, 60.1328



19.3238, 20.6158, 19.1051



34.7438, 37.4989, 5.4068



3.4415, 3.7683, 0.5460



# Inverse Universe

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



58.0392, 57.1373, 102.5774



52.7669, 50.9394, 101.6589



62.2309, 56.0626, 102.1490



17.2152, 17.8021, 22.7788



9.8397, 4.5890, 49.8017



1.0185, 0.5678, 4.8692



# Previews

## White Background



This preview shows how the XYZ color 82.7553, 90.1100, 59.4857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

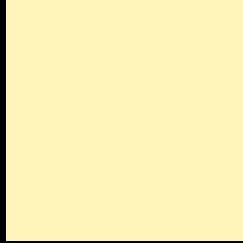
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7553, 90.1100, 59.4857 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 82.7553, 90.1100, 59.4857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7553, 90.1100, 59.4857.



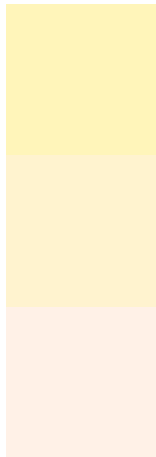
This preview shows how white text looks on a background with the XYZ color 82.7553, 90.1100,



# 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

82.7553, 90.1100, 59.4857

### Protanopia

84.5531, 89.8662, 71.9210

### Deuteranopia

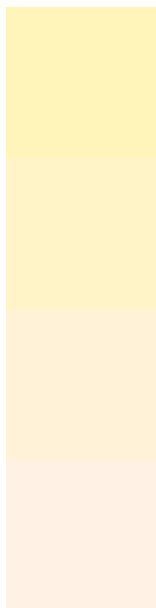
87.1191, 89.9401, 88.3698



## Tritanopia

89.3618, 89.8951, 103.0841

# Trichromacy



## Original Color

82.7553, 90.1100, 59.4857

## Protanomaly

83.8995, 90.0849, 66.9990

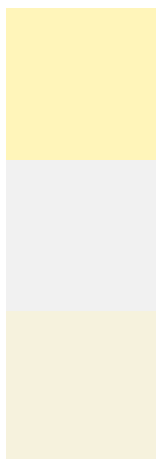
## Deuteranomaly

85.2579, 89.6706, 77.1046

## Tritanomaly

86.5604, 89.7166, 85.4279

# Monochromacy



## Original Color

82.7553, 90.1100, 59.4857

## 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 82.7553, 90.1100, 59.4857 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, 245, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7553, 90.1100, 59.4857 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, 245, 186) }
```



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

```
.border{ border-color:rgb(255, 245, 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, 245, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7553, 90.1100, 59.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 186) }
```

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

```
.background{ background-color: rgb(255,  
245, 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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