

# Converting Colors

XYZ(82.7550, 90.9371, 56.9339)

Have a look what the booklet for  
XYZ(82.7550, 90.9371, 56.9339)  
contains.

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# Color

**XYZ(82.8413, 91.1177,  
56.9373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7B5
RGB	255, 247, 181
RGB Percent	100%, 97%, 71%
CMY	0.0000, 0.0313, 0.2902
CMYK	0.00, 0.03, 0.29, 0.00
HSL	54°, 100%, 85%
HSV	54°, 29%, 100%
XYZ	82.8413, 91.1177, 56.9373
YIQ	241.8680, 25.9540, -18.8300

# Conversions

## Conversions Part 2

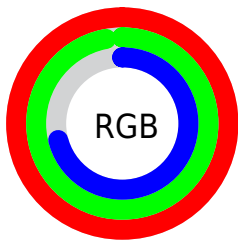
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 255, 181
Decimal	16775093
CIE Lab	96.46, -7.13, 32.76
CIE LCh	96, 33.530, 102.270
Yxy	91.1177, 0.3588, 0.3946
Android (android.graphics.Color)	4294965173 (0xFFFFF7B5)
YUV	241.8680, -30.0079, 11.5168
Hunter-Lab	95.4556, -12.1358, 31.4536

# Details

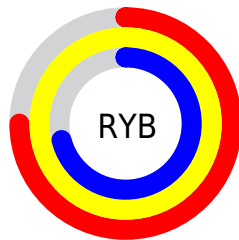
The XYZ color **82.8413, 91.1177, 56.9373** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.3033, 53.4374, 102.0074**, and the grayscale version is **84.5111, 88.9122, 96.8254**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **45.5530, 50.6904, 27.8054** is the 20% darker color. If you saturate the color by 10%, you get **79.6252, 88.4964, 44.1168**, and if you desaturate by 10%, it is **86.5531, 93.9635, 72.2879**.

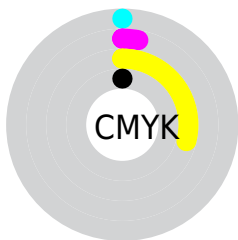
# Distribution



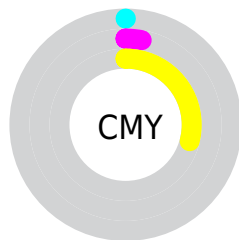
- Red (100%)
- Green (97%)
- Blue (71%)



- Red (75%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (3%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8413, 91.1177, 56.9373 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 82.8413, 91.1177, 56.9373 by changing the saturation by 10% instead.





 82.8413, 91.1177,  
56.9373

 82.8413, 91.1177,  
56.9373


493.0494,  
531.6600, 430.7015

 62.3757, 68.9080,  
40.5459


 136.2828,  
148.8900, 101.8731

 45.5931, 50.6368,  
27.6474


169.9895,  
185.2213, 131.2546

 32.1281, 35.9197,  
17.8233

208.8406,  
227.0287, 165.8032

 21.6154, 24.3721,  
10.6551

253.2014,  
274.6966, 205.9374

 13.6896, 15.6099,  
5.7242

303.4373,  
328.6092, 252.0758

 7.9853, 9.2485,  
2.6120

359.9138,

 4.1373, 4.9037,

389.1511, 304.6369

0.8987

422.9960,  
456.7065, 364.0393

■ 1.7801, 2.1908,  
0.0000

■ 0.5056, 0.7150,  
0.0000

■ 82.8413, 91.1177,  
56.9373

■ 82.8413, 91.1177,  
56.9373

■ 79.6252, 88.4964,  
44.1168

■ 86.5531, 93.9635,  
72.2879

■ 76.8721, 86.0771,  
33.6828

■ 90.7784, 97.0315,  
90.2900

■ 74.5554, 83.8520,  
25.4864

95.0500, 100.0000,  
108.9000

■ 72.6433, 81.8084,  
19.3595

■ 71.0992, 79.9316,  
15.1101

■ 69.8798, 78.2042,  
12.5106

■ 68.9212, 76.6005,  
11.2247

■ 68.8333, 76.4466,  
11.1278

# Harmonies

## Analogous

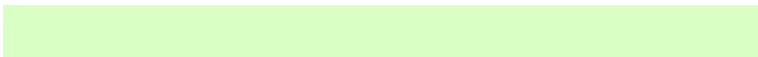
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1939, 91.1177, 57.8183



82.8413, 91.1177, 56.9373



75.0701, 91.1177, 65.7904

# Triad

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



82.8413, 91.1177, 56.9373



73.9748, 91.1177, 138.0144



104.8755, 91.1177, 115.7264

# Complementary

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



82.8413, 91.1177, 56.9373



55.3033, 53.4374, 102.0074

# 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.



99.2640, 91.1177, 142.3808



82.8413, 91.1177, 56.9373



81.2460, 91.1177, 156.7555

# Square

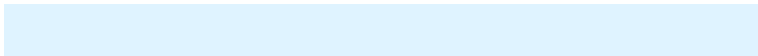
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8413, 91.1177, 56.9373



70.2035, 91.1177, 110.5565



90.4803, 91.1177, 158.4836



105.3798, 91.1177, 88.6708

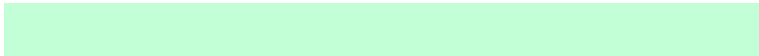


# Rectangle

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



82.8413, 91.1177, 56.9373



71.6510, 91.1177, 77.1374



90.4803, 91.1177, 158.4836



103.5062, 91.1177, 125.1402

# Sweetspot

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



82.8434, 91.1217, 56.9392



90.7868, 97.0374, 90.3263



67.0188, 58.0104, 56.1713



19.2934, 20.6714, 18.7365



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

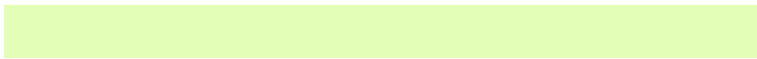
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8434, 91.1217, 56.9392



80.8611, 89.5261, 48.9747



75.6640, 91.1278, 57.3188



19.3837, 20.7357, 19.1251



36.0344, 40.0800, 5.8370



3.5545, 3.9944, 0.5837



# Inverse Universe

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



55.3033, 53.4374, 102.0074



49.1298, 46.1125, 100.9189



60.9731, 53.8777, 101.7936



17.1609, 17.6934, 22.7606



9.6935, 4.2965, 49.7530

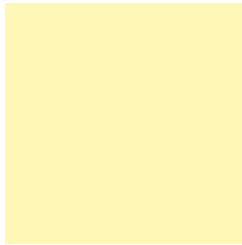


0.9931, 0.5168, 4.8607



# Previews

## White Background



This preview shows how the XYZ color 82.8413, 91.1177, 56.9373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

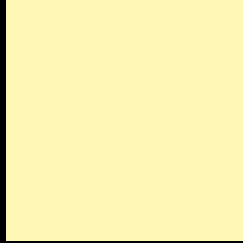
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8413, 91.1177, 56.9373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

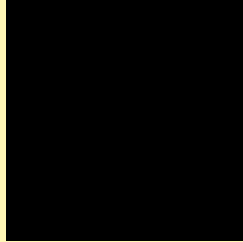
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.8413, 91.1177, 56.9373**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8413, 91.1177, 56.9373.



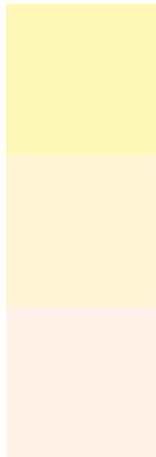
This preview shows how white text looks on a background with the XYZ color 82.8413, 91.1177,



# 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

82.8413, 91.1177, 56.9373

### Protanopia

85.7761, 91.3183, 75.3927

### Deuteranopia

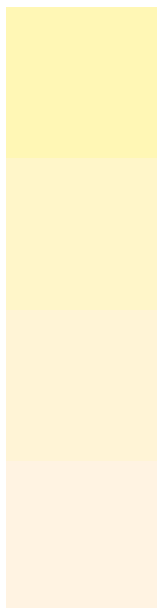
87.9986, 91.2444, 90.0647



## **Tritanopia**

90.1079, 91.1356, 104.1085

# Trichromacy



## Original Color

82.8413, 91.1177, 56.9373

## Protanomaly

84.7384, 91.3886, 68.4319

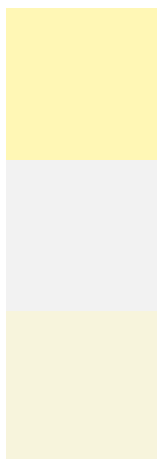
## Deuteranomaly

85.7283, 90.8164, 76.6293

## Tritanomaly

87.0181, 90.8522, 84.9014

# Monochromacy



## Original Color

82.8413, 91.1177, 56.9373

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.6267, 89.6428, 80.6053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8413, 91.1177, 56.9373 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, 247, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 181)  
}
```

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, 247, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8413, 91.1177, 56.9373 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, 247, 181) }
```



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

```
.border{ border-color:rgb(255, 247, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8413, 91.1177, 56.9373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 181) }
```

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

```
.background{ background-color: rgb(255,  
247, 181) }
```

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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