

# Converting Colors

XYZ(96.0491, 100.0000,  
42.7682)

Have a look what the booklet for  
XYZ(96.0491, 100.0000, 42.7682)  
contains.

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# Color

**XYZ(81.1620, 92.4243,  
41.9957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFB95
RGB	255, 251, 149
RGB Percent	100%, 98%, 58%
CMY	0.0000, 0.0157, 0.4157
CMYK	0.00, 0.02, 0.42, 0.00
HSL	58°, 100%, 79%
HSV	58°, 42%, 100%
XYZ	81.1620, 92.4243, 41.9957
YIQ	240.5680, 35.1260, -30.8740

# Conversions

## Conversions Part 2

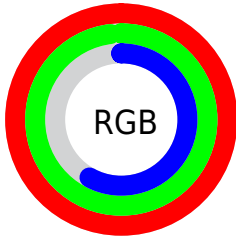
Format	Color
R <sub>Y</sub> B	153, 255, 149
Decimal	16776085
CIE Lab	96.99, -12.68, 49.23
CIE LCh	97, 50.840, 104.444
Yxy	92.4243, 0.3765, 0.4287
Android (android.graphics.Color)	4294966165 (0xFFFFFB95)
YUV	240.5680, -45.1430, 12.6569
Hunter-Lab	96.1376, -17.5461, 41.3967

# Details

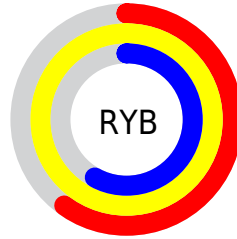
The XYZ color **81.1620, 92.4243, 41.9957** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.8355, 36.3910, 99.4268**, and the grayscale version is **83.5957, 87.9492, 95.7766**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **44.6524, 51.7451, 18.7007** is the 20% darker color. If you saturate the color by 10%, you get **79.0466, 91.1025, 32.3227**, and if you desaturate by 10%, it is **83.7292, 93.9359, 54.0203**.

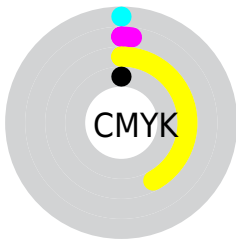
# Distribution



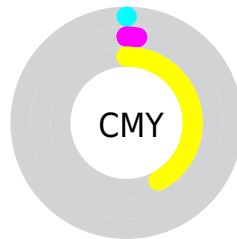
- Red (100%)
- Green (98%)
- Blue (58%)



- Red (60%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (2%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1620, 92.4243, 41.9957 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 81.1620, 92.4243, 41.9957 by changing the saturation by 10% instead.




 81.1620, 92.4243,  
41.9957


 81.1620, 92.4243,  
41.9957

487.5174,  
535.8859, 370.2642

 60.9868, 69.9931,  
28.7724


 133.9402,  
150.7013, 79.4631

 44.4670, 51.5209,  
18.6646


 167.2738,  
187.3159, 104.5443

 31.2373, 36.6233,  
11.2538


205.7244,  
229.4271, 134.4152

 20.9323, 24.9160,  
6.1215

249.6571,  
277.4193, 169.4944

 13.1867, 16.0145,  
2.8491

299.4374,  
331.6769, 210.2003

 7.6351, 9.5344,  
1.0181

355.4307,

 3.9122, 5.0914,

392.5842, 256.9516

0.0000

418.0022,  
460.5258, 310.1667

■ 1.6526, 2.3010,  
0.0000

■ 0.4263, 0.7742,  
0.0000

■ 81.1620, 92.4243,  
41.9957

■ 81.1620, 92.4243,  
41.9957

■ 79.0466, 91.1025,  
32.3227

■ 83.7292, 93.9359,  
54.0203

■ 77.3468, 89.9460,  
24.8407

■ 86.7682, 95.6353,  
68.5316

■ 76.0319, 88.9460,  
19.3782

■ 90.3057, 97.5367,  
85.6611

■ 75.0641, 88.0872,  
15.7359

■ 94.3649, 99.6491,  
105.5297

■ 74.3977, 87.3514, 95.0500, 100.0000,  
13.6735 108.9000

■ 74.0115, 86.8031,  
12.8538

# Harmonies

## Analogous

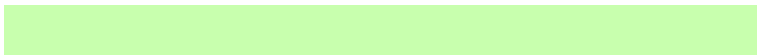
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4327, 92.4243, 42.2173



81.1620, 92.4243, 41.9957



69.9577, 92.4243, 54.2150

# Triad

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



81.1620, 92.4243, 41.9957



69.6336, 92.4243, 166.4949



117.1028, 92.4243, 123.2769

# Complementary

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



81.1620, 92.4243, 41.9957



41.8355, 36.3910, 99.4268

# 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.



108.5512, 92.4243, 168.0131



81.1620, 92.4243, 41.9957



80.6734, 92.4243, 197.2142

# Square

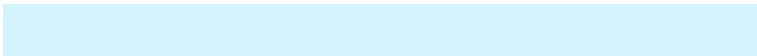
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1620, 92.4243, 41.9957



63.8086, 92.4243, 121.5924



94.8884, 92.4243, 197.8350

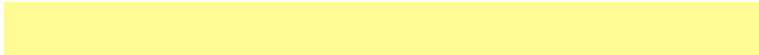


117.2704, 92.4243, 82.2345

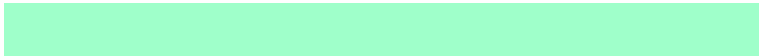


# Rectangle

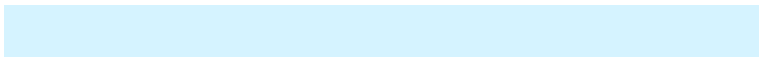
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1620, 92.4243, 41.9957



65.2922, 92.4243, 70.3290



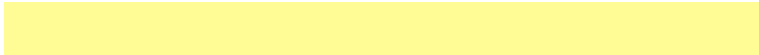
94.8884, 92.4243, 197.8350



115.0752, 92.4243, 138.5924

# Sweetspot

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



81.1643, 92.4285, 41.9976



90.1422, 97.4502, 84.8645



57.8458, 45.0989, 36.3603



19.1896, 20.8029, 17.6561



0.0000, 0.0000, 0.0000

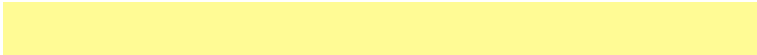


20.3446, 21.4041, 23.3091



# Same Dimension

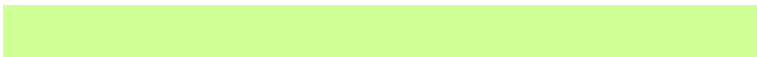
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1643, 92.4285, 41.9976



79.3502, 91.2989, 33.6902



67.0014, 86.9988, 41.6960



19.4991, 20.9664, 19.1635



38.6986, 45.4085, 6.7251



3.7855, 4.4564, 0.6607



# Inverse Universe

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



41.8355, 36.3910, 99.4268



35.1695, 28.3554, 98.2272



51.7457, 40.5458, 99.7065



17.0579, 17.4874, 22.7263



9.5097, 3.9290, 49.6917

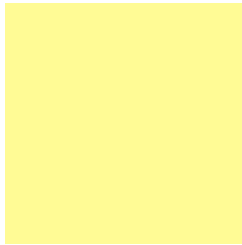


0.9444, 0.4195, 4.8445



# Previews

## White Background



This preview shows how the XYZ color 81.1620, 92.4243, 41.9957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

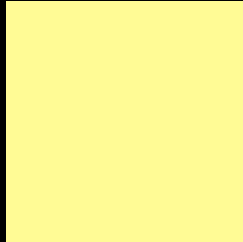
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.1620, 92.4243, 41.9957 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 81.1620, 92.4243, 41.9957

## Background



This preview shows how black text looks on a background with the XYZ color 81.1620, 92.4243, 41.9957.



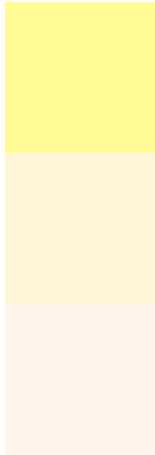
This preview shows how white text looks on a background with the XYZ color 81.1620, 92.4243,



# 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

81.1620, 92.4243, 41.9957

### Protanopia

86.5904, 92.1294, 78.1847

### Deuteranopia

88.8878, 92.5630, 91.7788



## Tritanopia

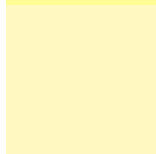
90.7032, 92.3262, 104.3070

# Trichromacy



## Original Color

81.1620, 92.4243, 41.9957



## Protanomaly

84.3218, 92.2006, 63.2214



## Deuteranomaly

85.3998, 92.1412, 70.4107



## Tritanomaly

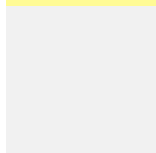
86.3334, 92.0266, 76.8310

# Monochromacy



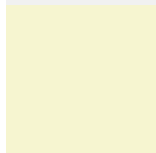
## Original Color

81.1620, 92.4243, 41.9957



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

82.0436, 89.4517, 72.6163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.1620, 92.4243, 41.9957 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 81.1620, 92.4243, 41.9957 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, 149) }
```



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

```
.border{ border-color:rgb(255, 251, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.1620, 92.4243, 41.9957 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, 149) }
```

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

```
.background{ background-color: rgb(255,  
251, 149) }
```

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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