

# Converting Colors

XYZ(80.6804, 92.8515, 42.0809)

Have a look what the booklet for  
XYZ(80.6804, 92.8515, 42.0809)  
contains.

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# Color

**XYZ(80.3801, 92.4862,  
42.0489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFC95
RGB	252, 252, 149
RGB Percent	99%, 99%, 58%
CMY	0.0118, 0.0117, 0.4157
CMYK	0.00, 0.00, 0.41, 0.01
HSL	60°, 95%, 79%
HSV	60°, 41%, 99%
XYZ	80.3801, 92.4862, 42.0489
YIQ	240.2580, 33.0630, -32.0330

# Conversions

## Conversions Part 2

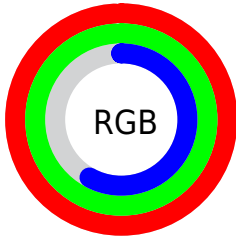
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	149, 252, 149
Decimal	16579733
CIE Lab	97.02, -14.32, 49.22
CIE LCh	97, 51.255, 106.221
Yxy	92.4862, 0.3740, 0.4303
Android (android.graphics.Color)	4294769813 (0xFFFCFC95)
YUV	240.2580, -44.9902, 10.2977
Hunter-Lab	96.1697, -19.1041, 41.3951

# Details

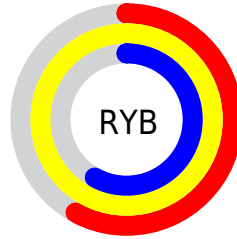
The XYZ color **80.3801, 92.4862, 42.0489** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7159, 34.9150, 96.6943**, and the grayscale version is **83.3520, 87.6928, 95.4974**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **44.0994, 51.7937, 18.7392** is the 20% darker color. If you saturate the color by 10%, you get **78.5823, 91.7703, 32.5750**, and if you desaturate by 10%, it is **82.6178, 93.3846, 53.8192**.

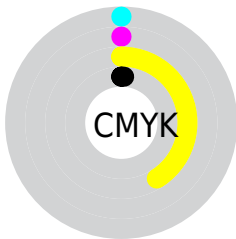
# Distribution



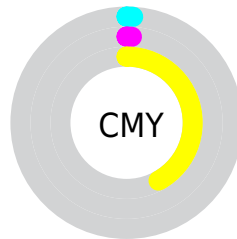
- Red (99%)
- Green (99%)
- Blue (58%)



- Red (58%)
- Yellow (99%)
- Blue (58%)



- Cyan (0%)
- Magenta (0%)
- Yellow (41%)
- Black (1%)




- Cyan (1%)
- Magenta (1%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3801, 92.4862, 42.0489 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 80.3801, 92.4862, 42.0489 by changing the saturation by 10% instead.





 80.3801, 92.4862,  
42.0489

 80.3801, 92.4862,  
42.0489


484.9299,  
536.0856, 370.4912

 60.3407, 70.0445,  
28.8137


 132.8477,  
150.7871, 79.5445

 43.9438, 51.5628,  
18.6956


 166.0067,  
187.4151, 104.6420

 30.8241, 36.6567,  
11.2759

204.2695,  
229.5406, 134.5308

 20.6161, 24.9418,  
6.1363

248.0017,  
277.5481, 169.6292

 12.9545, 16.0337,  
2.8580

297.5684,  
331.8220, 210.3560

 7.4740, 9.5480,  
1.0226

353.3351,

 3.8092, 5.1003,

392.7466, 257.1295

0.0000

415.6672,  
460.7063, 310.3684

■ 1.5948, 2.3062,  
0.0000

■ 0.3890, 0.7770,  
0.0000

■ 80.3801, 92.4862,  
42.0489

■ 80.3801, 92.4862,  
42.0489

■ 78.5823, 91.7703,  
32.5750

■ 82.6178, 93.3846,  
53.8192

■ 77.1892, 91.2130,  
25.2423


■ 85.3143, 94.4633,  
68.0160


■ 76.1714, 90.8058,  
19.8859


■ 88.4959, 95.7360,  
84.7666


■ 75.4925, 90.5342,  
16.3140


■ 92.1846, 97.2116,  
104.1878


 75.1089, 90.3807,  
14.2971


 93.0103, 97.5420,  
108.5331

 74.9537, 90.3186,  
13.4827

 93.0109, 97.5423,  
108.5331

 93.0115, 97.5426,  
108.5331

 93.0121, 97.5429,  
108.5331

 93.0127, 97.5432,  
108.5332

# Harmonies

## Analogous

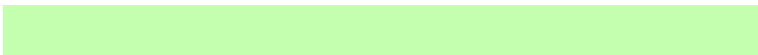
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6811, 92.4862, 41.5612



80.3801, 92.4862, 42.0489



69.3551, 92.4862, 55.1204

# Triad

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



80.3801, 92.4862, 42.0489



70.0714, 92.4862, 169.6626



117.7013, 92.4862, 120.8393

# Complementary

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



80.3801, 92.4862, 42.0489



40.7159, 34.9150, 96.6943

# 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.



109.4994, 92.4862, 166.2949



80.3801, 92.4862, 42.0489



81.4608, 92.4862, 199.2753

# Square

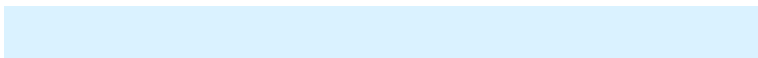
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3801, 92.4862, 42.0489



63.8640, 92.4862, 124.5705



95.8862, 92.4862, 197.8971

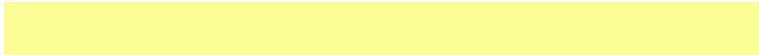


117.3299, 92.4862, 80.0950

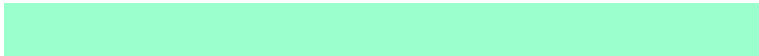


# Rectangle

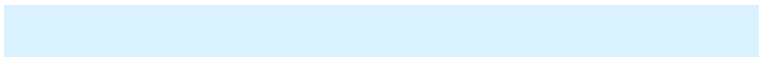
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3801, 92.4862, 42.0489



64.8803, 92.4862, 71.9386



95.8862, 92.4862, 197.8971



115.8199, 92.4862, 136.2615

# Sweetspot

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



80.3824, 92.4904, 42.0508



90.5081, 98.1832, 84.9867



56.3202, 44.3625, 34.0294



19.2764, 20.9768, 17.6851



0.0000, 0.0000, 0.0000

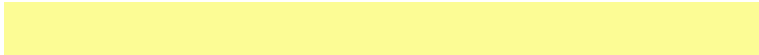


20.3446, 21.4041, 23.3091



# Same Dimension

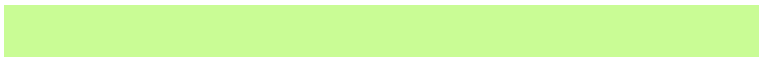
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3824, 92.4904, 42.0508



81.0296, 94.3915, 35.0854



64.1920, 84.1440, 41.2931



18.7274, 20.1907, 18.3726



39.0420, 47.0452, 7.0229



3.6160, 4.3572, 0.6504



# Inverse Universe

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



40.7159, 34.9150, 96.6943



35.2541, 27.9490, 98.1443



52.2741, 40.8735, 97.2352



16.2832, 16.6431, 21.7395



9.1529, 3.6612, 48.1978

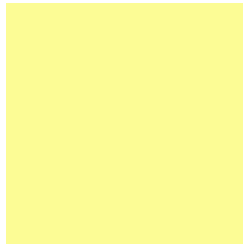


0.8478, 0.3391, 4.4639



# Previews

## White Background



This preview shows how the XYZ color 80.3801, 92.4862, 42.0489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

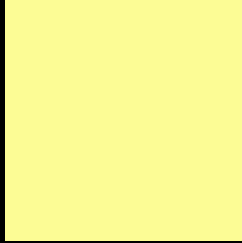
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3801, 92.4862, 42.0489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

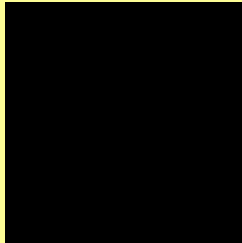
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.3801, 92.4862, 42.0489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.3801, 92.4862, 42.0489.



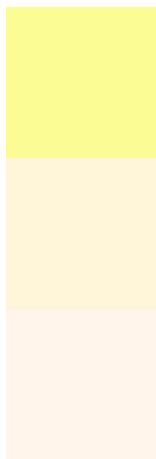
This preview shows how white text looks on a background with the XYZ color 80.3801, 92.4862,



# 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

80.3801, 92.4862, 42.0489

### Protanopia

86.7202, 92.1813, 78.8678

### Deuteranopia

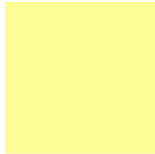
88.8878, 92.5630, 91.7788



## Tritanopia

90.8613, 92.3895, 105.1395

# Trichromacy



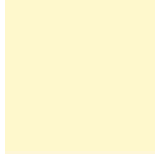
## Original Color

80.3801, 92.4862, 42.0489



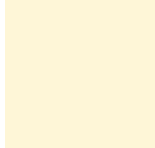
## Protanomaly

83.9549, 92.0114, 63.2043



## Deuteranomaly

85.3395, 92.5653, 70.4957



## Tritanomaly

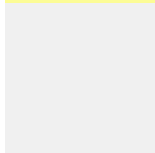
86.0946, 91.8887, 77.4886

# Monochromacy



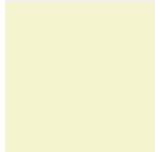
## Original Color

80.3801, 92.4862, 42.0489



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.9214, 88.4395, 71.8370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3801, 92.4862, 42.0489 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(252, 252, 149)` looks like.

```
.text, #text, p{  
    color:rgb(252, 252, 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(252, 252, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 252, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3801, 92.4862, 42.0489 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(252, 252, 149) }
```



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

```
.border{ border-color:rgb(252, 252, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 252, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 252, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 252, 149);  
box-shadow:4px 4px 4px 4px rgb(252, 252,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3801, 92.4862, 42.0489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 252, 149) }
```

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

```
.background{ background-color: rgb(252,  
252, 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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