

# Converting Colors

XYZ(81.2090, 92.6583, 41.5802)

Have a look what the booklet for  
XYZ(81.2090, 92.6583, 41.5802)  
contains.

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# Color

**XYZ(81.0825, 92.3925,  
41.5770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFB94
RGB	255, 251, 148
RGB Percent	100%, 98%, 58%
CMY	0.0000, 0.0157, 0.4196
CMYK	0.00, 0.02, 0.42, 0.00
HSL	58°, 100%, 79%
HSV	58°, 42%, 100%
XYZ	81.0825, 92.3925, 41.5770
YIQ	240.4540, 35.4470, -31.1850

# Conversions

## Conversions Part 2

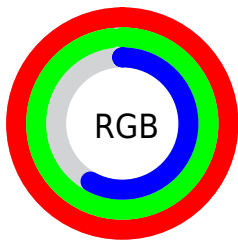
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">152, 255, 148</a>
Decimal	<a href="#">16776084</a>
CIELab	<a href="#">96.98, -12.78, 49.70</a>
CIELCh	<a href="#">97, 51.313, 104.422</a>
Yxy	<a href="#">92.3925, 0.3770, 0.4296</a>
Android (android.graphics.Color)	<a href="#">4294966164 (0xFFFFFB94)</a>
YUV	<a href="#">240.4540, -45.5798, 12.7568</a>
Hunter-Lab	<a href="#">96.1210, -17.6388, 41.6389</a>

# Details

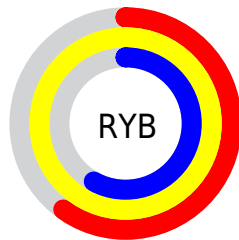
The XYZ color **81.0825, 92.3925, 41.5770** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.4909, 35.9714, 99.3640**, and the grayscale version is **83.5092, 87.8582, 95.6775**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **44.6066, 51.7268, 18.4597** is the 20% darker color. If you saturate the color by 10%, you get **78.9868, 91.0830, 31.9939**, and if you desaturate by 10%, it is **83.6289, 93.8913, 53.5059**.

# Distribution



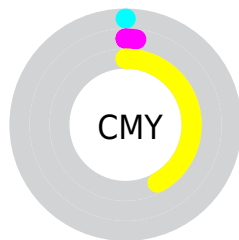
- Red (100%)
- Green (98%)
- Blue (58%)



- 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 81.0825, 92.3925, 41.5770 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 81.0825, 92.3925, 41.5770 by changing the saturation by 10% instead.




 81.0825, 92.3925,  
41.5770


 81.0825, 92.3925,  
41.5770


487.2546,  
535.7832, 368.4742

 60.9211, 69.9667,  
28.4471


 133.8292,  
150.6573, 78.8222

 44.4138, 51.4994,  
18.4210


 167.1451,  
187.2650, 103.7746

 31.1952, 36.6062,  
11.0801


205.5766,  
229.3688, 133.5049

 20.9001, 24.9027,  
6.0059

249.4890,  
277.3532, 168.4317

 13.1631, 16.0046,  
2.7798

299.2476,  
331.6024, 208.9735

 7.6187, 9.5274,  
0.9833

355.2179,

 3.9017, 5.0868,

392.5008, 255.5488

0.0000

417.7651,  
460.4330, 308.5762

■ 1.6467, 2.2983,  
0.0000

■ 0.4225, 0.7728,  
0.0000

■ 81.0825, 92.3925,  
41.5770

■ 81.0825, 92.3925,  
41.5770

■ 78.9868, 91.0830,  
31.9939

■ 83.6289, 93.8913,  
53.5059

■ 77.3054, 89.9384,  
24.5954

■ 86.6460, 95.5774,  
67.9162

■ 76.0076, 88.9495,  
19.2092

■ 90.1608, 97.4650,  
84.9398

■ 75.0551, 88.1012,  
15.6345

■ 94.1962, 99.5633,  
104.6978

■ 74.4021, 87.3750, 95.0500, 100.0000,  
13.6292 108.9000

■ 74.0387, 86.8575,  
12.8629

# Harmonies

## Analogous

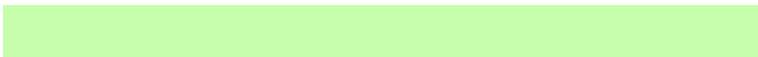
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4841, 92.3925, 41.8079



81.0825, 92.3925, 41.5770



69.7843, 92.3925, 53.8323

# Triad

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



81.0825, 92.3925, 41.5770



69.4450, 92.3925, 167.1352



117.3617, 92.3925, 123.4960

# Complementary

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



81.0825, 92.3925, 41.5770



41.4909, 35.9714, 99.3640

# 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.



108.7142, 92.3925, 168.7321



81.0825, 92.3925, 41.5770



80.5704, 92.3925, 198.2552

# Square

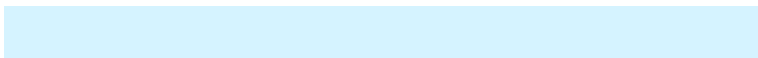
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0825, 92.3925, 41.5770



63.5819, 92.3925, 121.7273



94.9130, 92.3925, 198.9088

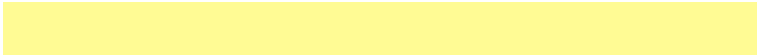


117.5377, 92.3925, 82.0702

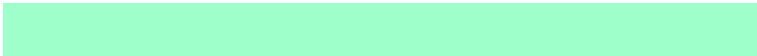


# Rectangle

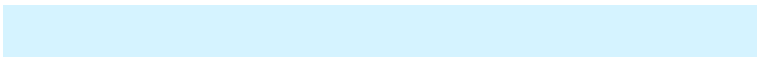
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0825, 92.3925, 41.5770



65.0819, 92.3925, 70.0315



94.9130, 92.3925, 198.9088



115.3102, 92.3925, 138.9753

# Sweetspot

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



81.0848, 92.3967, 41.5789



89.7713, 97.2591, 83.0433



57.6093, 44.7523, 35.8917



19.0418, 20.7255, 16.9343



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

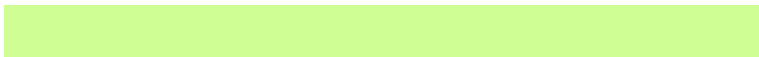
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0848, 92.3967, 41.5789



79.3642, 91.3268, 33.6949



66.7961, 86.9021, 41.2715



19.4997, 20.9676, 19.1637



38.7126, 45.4365, 6.7297



3.7867, 4.4588, 0.6611



# Inverse Universe

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



41.4909, 35.9714, 99.3640



35.1634, 28.3432, 98.2252



51.4447, 40.1568, 99.6473



17.0574, 17.4863, 22.7261



9.5090, 3.9276, 49.6915

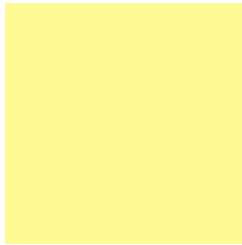


0.9441, 0.4190, 4.8444



# Previews

## White Background



This preview shows how the XYZ color 81.0825, 92.3925, 41.5770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

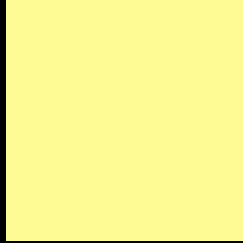
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0825, 92.3925, 41.5770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

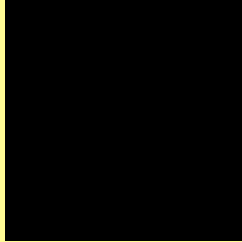
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.0825, 92.3925, 41.5770

## Background



This preview shows how black text looks on a background with the XYZ color 81.0825, 92.3925, 41.5770.



This preview shows how white text looks on a background with the XYZ color 81.0825, 92.3925,



# Color Blindness Simulation

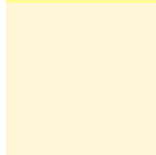
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



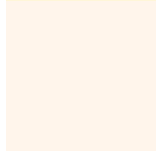
### Original Color

81.0825, 92.3925, 41.5770



### Protanopia

86.5904, 92.1294, 78.1847



### Deuteranopia

88.8878, 92.5630, 91.7788



## Tritanopia

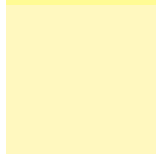
90.7032, 92.3262, 104.3070

# Trichromacy



## Original Color

81.0825, 92.3925, 41.5770



## Protanomaly

84.2114, 92.1564, 62.6398



## Deuteranomaly

85.2803, 92.0933, 69.7810



## Tritanomaly

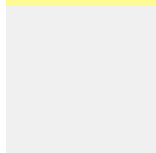
86.3334, 92.0266, 76.8310

# Monochromacy



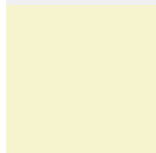
## Original Color

81.0825, 92.3925, 41.5770



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

81.2694, 88.6188, 71.8533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0825, 92.3925, 41.5770 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0825, 92.3925, 41.5770 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, 148) }
```



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

```
.border{ border-color:rgb(255, 251, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0825, 92.3925, 41.5770 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
251, 148) }
```

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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