

# Converting Colors

XYZ(79.1330, 89.4442, 46.8157)

Have a look what the booklet for  
XYZ(79.1330, 89.4442, 46.8157)  
contains.

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# Color

**XYZ(79.1181, 89.4187,  
46.8078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF7A1
RGB	250, 247, 161
RGB Percent	98%, 97%, 63%
CMY	0.0196, 0.0313, 0.3686
CMYK	0.00, 0.01, 0.36, 0.02
HSL	58°, 90%, 81%
HSV	58°, 36%, 98%
XYZ	79.1181, 89.4187, 46.8078
YIQ	238.0930, 29.3940, -26.1100

# Conversions

## Conversions Part 2

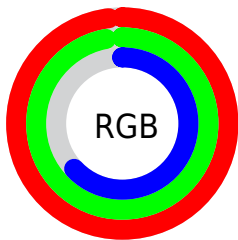
Format	Color
<a href="#">RYB</a>	<a href="#">164, 250, 161</a>
Decimal	<a href="#">16447393</a>
<a href="#">CIELab</a>	<a href="#">95.76, -11.36, 41.74</a>
<a href="#">CIElCh</a>	<a href="#">96, 43.255, 105.224</a>
<a href="#">Yxy</a>	<a href="#">89.4187, 0.3674, 0.4152</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294637473 (0xFFFAF7A1)</a>
<a href="#">YUV</a>	<a href="#">238.0930, -38.0068, 10.4424</a>
<a href="#">Hunter-Lab</a>	<a href="#">94.5615, -16.1344, 36.8446</a>

# Details

The XYZ color **79.1181, 89.4187, 46.8078** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.2286, 41.0290, 95.9781**, and the grayscale version is **81.6111, 85.8613, 93.5029**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **43.0758, 49.5508, 21.4813** is the 20% darker color. If you saturate the color by 10%, you get **76.8746, 88.1139, 36.2495**, and if you desaturate by 10%, it is **81.8080, 90.9102, 59.6915**.

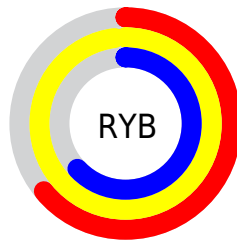
# Distribution



Red (98%)

Green (97%)

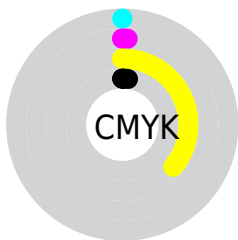
Blue (63%)



Red (64%)

Yellow (98%)

Blue (63%)

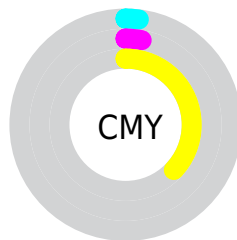


Cyan (0%)

Magenta (1%)

Yellow (36%)

Black (2%)



Cyan (2%)

Magenta (3%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1181, 89.4187, 46.8078 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 79.1181, 89.4187, 46.8078 by changing the saturation by 10% instead.




 79.1181, 89.4187,  
46.8078


 79.1181, 89.4187,  
46.8078


480.7377,  
526.1381, 390.4184

 59.2989, 67.4986,  
32.5305


 131.0822,  
146.5307, 86.7736

 43.1011, 49.4899,  
21.4988


 163.9577,  
182.4914, 113.2992

 30.1593, 35.0083,  
13.2943


201.9161,  
223.9010, 144.7447

 20.1082, 23.6693,  
7.4984

245.3226,  
271.1441, 181.5285

 12.5824, 15.0885,  
3.6926

294.5427,  
324.6049, 224.0692

 7.2167, 8.8815,  
1.4583

349.9417,

 3.6455, 4.6640,

384.6680, 272.7854

0.1865

411.8849,  
451.7175, 328.0956

■ 1.5036, 2.0515,  
0.0000

■ 0.3283, 0.6371,  
0.0000

■ 79.1181, 89.4187,  
46.8078

■ 79.1181, 89.4187,  
46.8078

■ 76.8746, 88.1139,  
36.2495

■ 81.8080, 90.9102,  
59.6915

■ 75.0444, 86.9732,  
27.8719

■ 84.9619, 92.5861,  
75.0227

■ 73.6006, 85.9888,  
21.5230

■ 88.6045, 94.4592,  
92.9214

■ 72.5100, 85.1476,  
17.0287

■ 91.7751, 96.1454,  
108.3286

71.7342, 84.4341,  
14.1859

92.0375, 96.6702,  
108.4161

71.2253, 83.8292,  
12.7434

92.3010, 97.1974,  
108.5039

71.0548, 83.5850,  
12.3885

92.5658, 97.7269,  
108.5922

92.8317, 98.2587,  
108.6808

93.0988, 98.7929,  
108.7698

# Harmonies

## Analogous

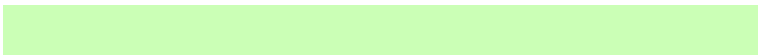
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9636, 89.4187, 46.7262



79.1181, 89.4187, 46.8078



69.7510, 89.4187, 58.0958

# Triad

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



79.1181, 89.4187, 46.8078



69.8623, 89.4187, 151.7202



109.1059, 89.4187, 115.0601

# Complementary

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



79.1181, 89.4187, 46.8078



45.2286, 41.0290, 95.9781

# 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.



102.3006, 89.4187, 151.2324



79.1181, 89.4187, 46.8078



79.2834, 89.4187, 175.5225

# Square

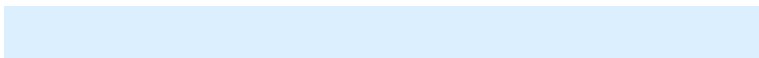
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1181, 89.4187, 46.8078



64.7568, 89.4187, 115.6157



91.1450, 89.4187, 175.3256



109.0511, 89.4187, 81.1380

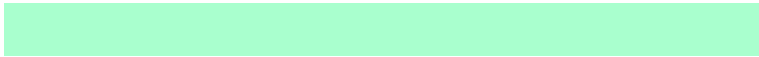


# Rectangle

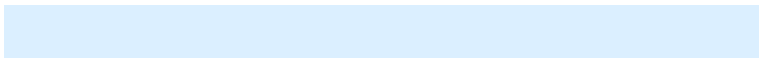
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1181, 89.4187, 46.8078



65.8506, 89.4187, 72.3875



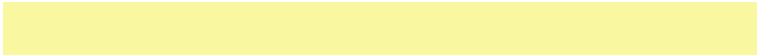
91.1450, 89.4187, 175.3256



107.5187, 89.4187, 127.5062

# Sweetspot

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



79.1203, 89.4228, 46.8097



90.5580, 97.7228, 86.7263



59.0025, 48.5478, 42.0745



19.2741, 20.8604, 18.0279



0.0000, 0.0000, 0.0000

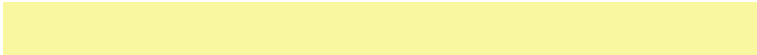


20.3446, 21.4041, 23.3091



# Same Dimension

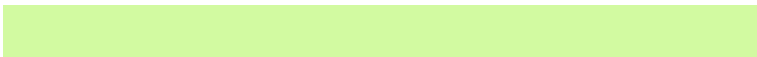
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1203, 89.4228, 46.8097



80.9725, 92.5045, 40.5172



67.1833, 84.6390, 46.5155



18.6744, 20.0847, 18.3549



37.7122, 44.3811, 6.5788



3.5080, 4.1409, 0.6144



# Inverse Universe

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



45.2286, 41.0290, 95.9781



40.5423, 34.7786, 99.1839



54.1019, 44.8174, 96.2416



16.3298, 16.7365, 21.7551



9.2217, 3.7989, 48.2208

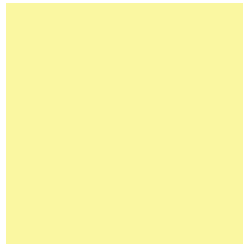


0.8700, 0.3838, 4.4714



# Previews

## White Background



This preview shows how the XYZ color 79.1181, 89.4187, 46.8078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

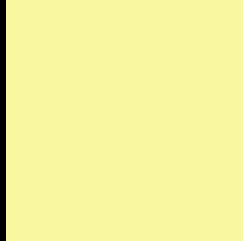
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.1181, 89.4187, 46.8078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

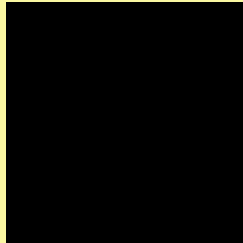
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.1181, 89.4187, 46.8078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.1181, 89.4187, 46.8078.



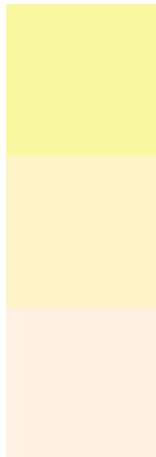
This preview shows how white text looks on a background with the XYZ color 79.1181, 89.4187,



# 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

79.1181, 89.4187, 46.8078

### Protanopia

83.7159, 89.5313, 67.5126

### Deuteranopia

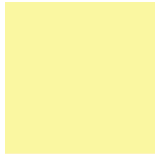
86.2652, 89.1262, 85.3295



## Tritanopia

89.0699, 89.3112, 102.9868

# Trichromacy



## Original Color

79.1181, 89.4187, 46.8078



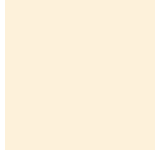
## Protanomaly

81.7216, 89.1292, 59.3508



## Deuteranomaly

83.3381, 89.2956, 69.3433



## Tritanomaly

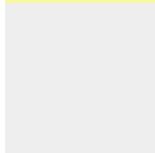
84.6182, 88.8552, 79.0206

# Monochromacy



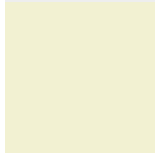
## Original Color

79.1181, 89.4187, 46.8078



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.7061, 86.4410, 73.4566

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.1181, 89.4187, 46.8078 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(250, 247, 161)` looks like.

```
.text, #text, p{  
    color:rgb(250, 247, 161)  
}
```

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(250, 247, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 247, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 79.1181, 89.4187, 46.8078 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(250, 247, 161) }
```



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

```
.border{ border-color:rgb(250, 247, 161) }
```

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

Here you see how a box with a 4 pixel rgb(250, 247, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 247, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 247, 161);  
box-shadow:4px 4px 4px 4px rgb(250, 247,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.1181, 89.4187, 46.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 247, 161) }
```

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

```
.background{ background-color: rgb(250,  
247, 161) }
```

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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