

# Converting Colors

XYZ(78.7400, 89.4088, 48.7053)

Have a look what the booklet for  
XYZ(78.7400, 89.4088, 48.7053)  
contains.

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# Color

**XYZ(79.0703, 89.8079,  
48.7645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F8A5
RGB	248, 248, 165
RGB Percent	97%, 97%, 65%
CMY	0.0275, 0.0274, 0.3529
CMYK	0.00, 0.00, 0.33, 0.03
HSL	60°, 86%, 81%
HSV	60°, 33%, 97%
XYZ	79.0703, 89.8079, 48.7645
YIQ	238.5380, 26.6430, -25.8130

# Conversions

## Conversions Part 2

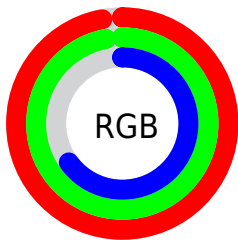
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 248, 165
Decimal	16316581
CIE <sub>Lab</sub>	95.92, -12.15, 39.94
CIE <sub>LCh</sub>	96, 41.749, 106.921
Yxy	89.8079, 0.3633, 0.4126
Android (android.graphics.Color)	4294506661 (0xFFFF8F8A5)
YUV	238.5380, -36.2542, 8.2982
Hunter-Lab	94.7670, -16.9081, 35.8279

# Details

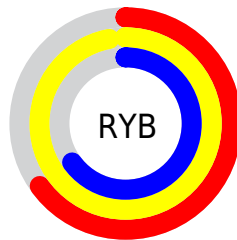
The XYZ color **79.0703, 89.8079, 48.7645** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9188, 41.6892, 94.4389**, and the grayscale version is **81.9452, 86.2127, 93.8856**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **43.0095, 49.8163, 22.6779** is the 20% darker color. If you saturate the color by 10%, you get **77.0286, 88.9943, 38.0068**, and if you desaturate by 10%, it is **81.5542, 90.8047, 61.8312**.

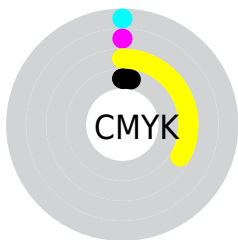
# Distribution



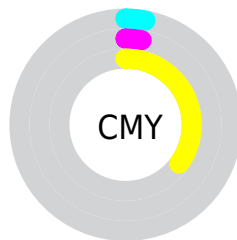
- Red (97%)
- Green (97%)
- Blue (65%)



- Red (65%)
- Yellow (97%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0703, 89.8079, 48.7645 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 79.0703, 89.8079, 48.7645 by changing the saturation by 10% instead.



79.0703, 89.8079,  
48.7645

79.0703, 89.8079,  
48.7645

480.5785,  
527.4058, 398.4103

59.2594, 67.8213,  
34.0684

131.0152,  
147.0715, 89.7189

43.0692, 49.7524,  
22.6684

163.8800,  
183.1174, 116.8144

30.1342, 35.2167,  
14.1458

201.8268,  
224.6184, 148.8800

20.0890, 23.8298,  
8.0823

245.2210,  
271.9591, 186.3344

12.5684, 15.2074,  
4.0591

294.4279,  
325.5238, 229.5961

7.2070, 8.9651,  
1.6578

349.8129,

3.6394, 4.7184,

385.6968, 279.0836

0.3316

411.7413,  
452.8627, 335.2155

■ 1.5002, 2.0830,  
0.0000

■ 0.3260, 0.6551,  
0.0000

■ 79.0703, 89.8079,  
48.7645

■ 79.0703, 89.8079,  
48.7645

■ 77.0286, 88.9943,  
38.0068

■ 81.5542, 90.8047,  
61.8312

■ 75.3971, 88.3416,  
29.4188


■ 84.4971, 91.9819,  
77.3242


■ 74.1498, 87.8426,  
22.8546


■ 87.9227, 93.3523,  
95.3598

■ 73.2555, 87.4848,  
18.1487


■ 90.3336, 94.3167,  
108.0516

 72.6775, 87.2536,  
15.1089

 90.3343, 94.3170,  
108.0516

 72.3716, 87.1311,  
13.5016

 90.3350, 94.3174,  
108.0517

 72.2762, 87.0929,  
13.0012

 90.3357, 94.3178,  
108.0517

 90.3363, 94.3181,  
108.0517

 90.3370, 94.3185,  
108.0518

# Harmonies

## Analogous

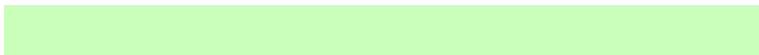
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4736, 89.8079, 48.0750



79.0703, 89.8079, 48.7645



70.1737, 89.8079, 60.5253

# Triad

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



79.0703, 89.8079, 48.7645



71.1000, 89.8079, 151.8584



108.8181, 89.8079, 112.8629

# Complementary

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



79.0703, 89.8079, 48.7645



45.9188, 41.6892, 94.4389

# 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.



102.5923, 89.8079, 147.8581



79.0703, 89.8079, 48.7645



80.4422, 89.8079, 173.5550

# Square

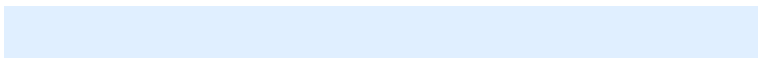
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0703, 89.8079, 48.7645



65.8640, 89.8079, 117.4472



91.9741, 89.8079, 171.9452



108.3665, 89.8079, 80.4506

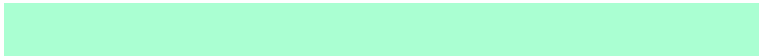


# Rectangle

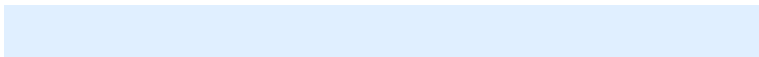
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0703, 89.8079, 48.7645



66.5514, 89.8079, 74.9558



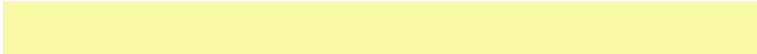
91.9741, 89.8079, 171.9452



107.4147, 89.8079, 124.8356

# Sweetspot

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



79.0725, 89.8120, 48.7664



91.2121, 98.4647, 88.6935



58.9611, 49.5855, 42.0619



19.4168, 21.0330, 18.4241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

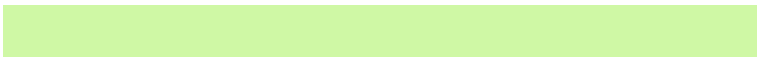
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0725, 89.8120, 48.7664



82.7468, 95.0784, 44.1277



65.9551, 83.0497, 48.1525



18.7273, 20.1907, 18.3726



39.0414, 47.0448, 7.0229



3.6159, 4.3572, 0.6504



# Inverse Universe

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



45.9188, 41.6892, 94.4389



42.5796, 36.7756, 99.4619



55.9938, 46.8830, 94.9104



16.2832, 16.6431, 21.7395



9.1530, 3.6612, 48.1978

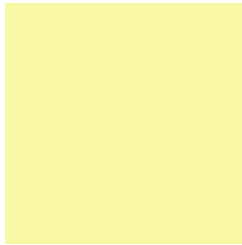


0.8478, 0.3391, 4.4640



# Previews

## White Background



This preview shows how the XYZ color 79.0703, 89.8079, 48.7645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

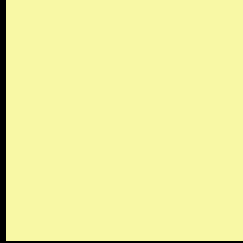
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0703, 89.8079, 48.7645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

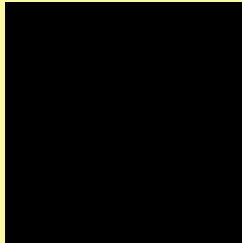
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.0703, 89.8079, 48.7645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0703, 89.8079, 48.7645.



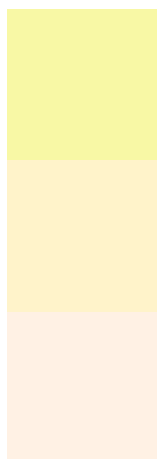
This preview shows how white text looks on a background with the XYZ color 79.0703, 89.8079,

48.7645.

# 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

79.0703, 89.8079, 48.7645

### Protanopia

83.9513, 89.6255, 68.7519

### Deuteranopia

86.6989, 89.7720, 86.1570



## Tritanopia

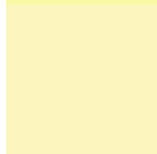
89.3852, 89.4373, 104.6475

# Trichromacy



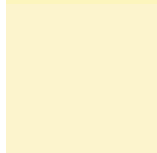
## Original Color

79.0703, 89.8079, 48.7645



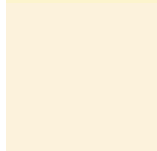
## Protanomaly

81.9826, 89.6744, 61.1321



## Deuteranomaly

83.5150, 89.8046, 70.6899



## Tritanomaly

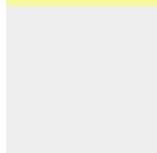
84.8153, 89.3670, 80.4895

# Monochromacy



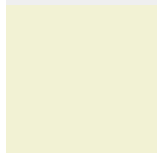
## Original Color

79.0703, 89.8079, 48.7645



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

80.2537, 87.1350, 74.8763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0703, 89.8079, 48.7645 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(248, 248, 165)` looks like.

```
.text, #text, p{  
    color:rgb(248, 248, 165)  
}
```

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(248, 248, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 248, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0703, 89.8079, 48.7645 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(248, 248, 165) }
```



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

```
.border{ border-color:rgb(248, 248, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 248, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 248, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 248, 165);  
box-shadow:4px 4px 4px 4px rgb(248, 248,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0703, 89.8079, 48.7645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 248, 165) }
```

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

```
.background{ background-color: rgb(248,  
248, 165) }
```

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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