

# Converting Colors

XYZ(117.4204, 109.0869,  
40.5567)

Have a look what the booklet for  
XYZ(117.4204, 109.0869, 40.5567)  
contains.

<b>XYZ(79.0783, 89.1245, 38.6261)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.0783, 89.1245,  
38.6261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF68E
RGB	255, 246, 142
RGB Percent	100%, 96%, 56%
CMY	0.0000, 0.0353, 0.4431
CMYK	0.00, 0.04, 0.44, 0.00
HSL	55°, 100%, 78%
HSV	55°, 44%, 100%
XYZ	79.0783, 89.1245, 38.6261
YIQ	236.8350, 38.7480, -30.4360

# Conversions

## Conversions Part 2

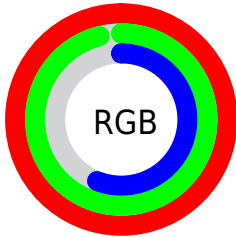
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	152, 255, 142
Decimal	16774798
CIE Lab	95.63, -10.91, 50.89
CIE LCh	96, 52.045, 102.099
Yxy	89.1245, 0.3823, 0.4309
Android (android.graphics.Color)	4294964878 (0xFFFFF68E)
YUV	236.8350, -46.7537, 15.9307
Hunter-Lab	94.4058, -15.6909, 41.8256

# Details

The XYZ color **79.0783, 89.1245, 38.6261** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.2719, 35.1031, 99.2608**, and the grayscale version is **80.6988, 84.9014, 92.4576**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **42.9816, 49.2839, 16.6986** is the 20% darker color. If you saturate the color by 10%, you get **76.7655, 87.2202, 29.4660**, and if you desaturate by 10%, it is **81.8402, 91.2257, 50.0984**.

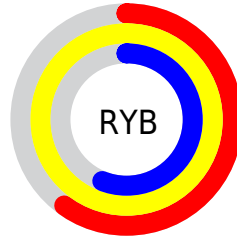
# Distribution



Red (100%)

Green (96%)

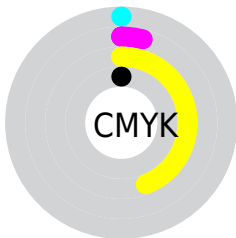
Blue (56%)



Red (60%)

Yellow (100%)

Blue (56%)

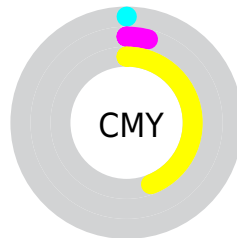


Cyan (0%)

Magenta (4%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0783, 89.1245, 38.6261 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 79.0783, 89.1245, 38.6261 by changing the saturation by 10% instead.





 79.0783, 89.1245,  
38.6261

 79.0783, 89.1245,  
38.6261


480.6052,  
525.1788, 355.6766

 59.2660, 67.2547,  
26.1634


 131.0264,  
146.1217, 74.2808

 43.0745, 49.2917,  
16.7191


 163.8930,  
182.0179, 98.3099

 30.1384, 34.8509,  
9.8745


201.8418,  
223.3584, 127.0315

 20.0922, 23.5481,  
5.2113

245.2380,  
270.5275, 160.8642

 12.5708, 14.9987,  
2.3109

294.4471,  
323.9098, 200.2265

 7.2086, 8.8185,  
0.7373

349.8344,

 3.6404, 4.6230,

383.8894, 245.5370

0.0000

411.7653,  
450.8510, 297.2142

■ 1.5008, 2.0278,  
0.0000

■ 0.3264, 0.6235,  
0.0000

■ 79.0783, 89.1245,  
38.6261

■ 79.0783, 89.1245,  
38.6261

■ 76.7655, 87.2202,  
29.4660

■ 81.8402, 91.2257,  
50.0984

■ 74.8649, 85.4884,  
22.4533

■ 85.0720, 93.5224,  
64.0217

■ 73.3447, 83.9194,  
17.4102

■ 88.8011, 96.0289,  
80.5305

■ 72.1651, 82.4973,  
14.1278

■ 93.0510, 98.7547,  
99.7476

■ 71.2775, 81.2027, 95.0500, 100.0000,  
12.3506 108.9000

■ 70.8638, 80.5076,  
11.8046

# Harmonies

## Analogous

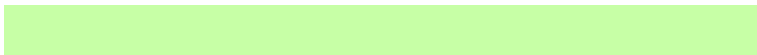
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4430, 89.1245, 39.7528



79.0783, 89.1245, 38.6261



67.5861, 89.1245, 49.5663

# Triad

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



79.0783, 89.1245, 38.6261



65.9079, 89.1245, 159.9638



113.6516, 89.1245, 123.3052

# Complementary

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



79.0783, 89.1245, 38.6261



40.2719, 35.1031, 99.2608

# 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.



104.5068, 89.1245, 167.9554



79.0783, 89.1245, 38.6261



76.5391, 89.1245, 192.8820

# Square

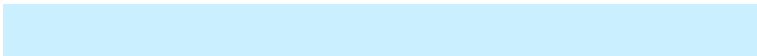
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0783, 89.1245, 38.6261



60.5755, 89.1245, 114.4948



90.6033, 89.1245, 196.1605



114.5298, 89.1245, 81.4585

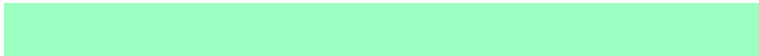


# Rectangle

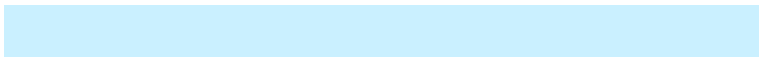
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0783, 89.1245, 38.6261



62.6659, 89.1245, 64.6686



90.6033, 89.1245, 196.1605



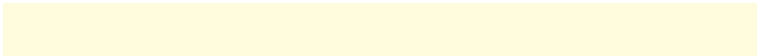
111.3986, 89.1245, 138.7368

# Sweetspot

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



79.0805, 89.1286, 38.6279



89.3288, 96.3740, 82.8958



56.5335, 42.8549, 34.7493



18.9312, 20.5043, 16.8975



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

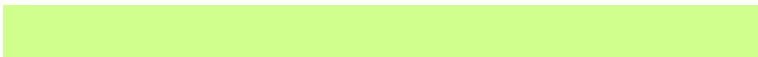
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0805, 89.1286, 38.6279



77.0450, 87.4604, 30.5424



66.6321, 86.8711, 38.8483



19.4303, 20.8287, 19.1406



37.0797, 42.1706, 6.1854



3.6455, 4.1764, 0.6140



# Inverse Universe

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



40.2719, 35.1031, 99.2608



33.8385, 27.3295, 98.0994



48.7308, 37.3966, 99.2576



17.1191, 17.6099, 22.7467



9.6055, 4.1205, 49.7237

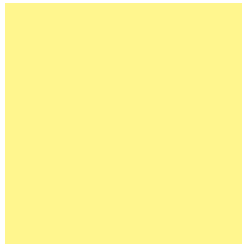


0.9734, 0.4775, 4.8541



# Previews

## White Background



This preview shows how the XYZ color 79.0783, 89.1245, 38.6261 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 79.0783, 89.1245, 38.6261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

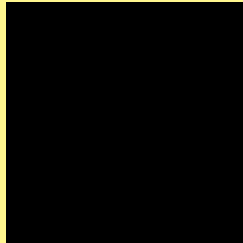
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.0783, 89.1245, 38.6261**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0783, 89.1245, 38.6261.



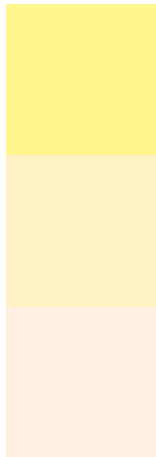
This preview shows how white text looks on a background with the XYZ color 79.0783, 89.1245,



# 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

79.0783, 89.1245, 38.6261

### Protanopia

83.0702, 88.7955, 65.5843

### Deuteranopia

85.9907, 89.0164, 83.8839



## Tritanopia

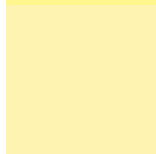
88.6030, 89.1245, 100.5285

# Trichromacy



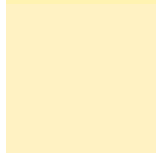
## Original Color

79.0783, 89.1245, 38.6261



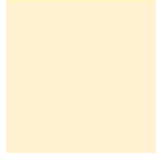
## Protanomaly

81.2264, 88.5355, 54.4029



## Deuteranomaly

82.8425, 88.7044, 64.3852



## Tritanomaly

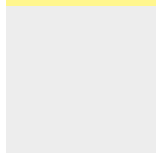
84.2039, 88.7740, 73.0187

# Monochromacy



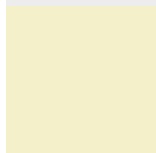
## Original Color

79.0783, 89.1245, 38.6261



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

79.1290, 85.8175, 68.2710

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0783, 89.1245, 38.6261 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, 246, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 142)  
}
```

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, 246, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0783, 89.1245, 38.6261 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, 246, 142) }
```



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

```
.border{ border-color:rgb(255, 246, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0783, 89.1245, 38.6261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 142) }
```

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

```
.background{ background-color: rgb(255,  
246, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor