

# Converting Colors

XYZ(84.9268, 91.9624, 38.6150)

Have a look what the booklet for  
XYZ(84.9268, 91.9624, 38.6150)  
contains.

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# Color

**XYZ(79.0035, 89.0946,  
38.2324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF68D
RGB	255, 246, 141
RGB Percent	100%, 96%, 55%
CMY	0.0000, 0.0353, 0.4470
CMYK	0.00, 0.04, 0.45, 0.00
HSL	55°, 100%, 78%
HSV	55°, 45%, 100%
XYZ	79.0035, 89.0946, 38.2324
YIQ	236.7210, 39.0690, -30.7470

# Conversions

## Conversions Part 2

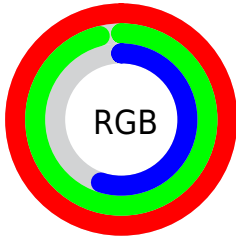
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	151, 255, 141
Decimal	16774797
CIE Lab	95.62, -11.00, 51.35
CIE LCh	96, 52.516, 102.095
Yxy	89.0946, 0.3829, 0.4318
Android (android.graphics.Color)	4294964877 (0xFFFFF68D)
YUV	236.7210, -47.1905, 16.0307
Hunter-Lab	94.3899, -15.7795, 42.0577

# Details

The XYZ color **79.0035, 89.0946, 38.2324** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.9408, 34.6945, 99.1992**, and the grayscale version is **80.6140, 84.8122, 92.3605**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **42.9399, 49.2673, 16.4789** is the 20% darker color. If you saturate the color by 10%, you get **76.7126, 87.2077, 29.1614**, and if you desaturate by 10%, it is **81.7422, 91.1777, 49.6096**.

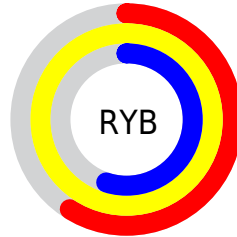
# Distribution



Red (100%)

Green (96%)

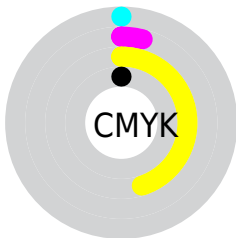
Blue (55%)



Red (59%)

Yellow (100%)

Blue (55%)

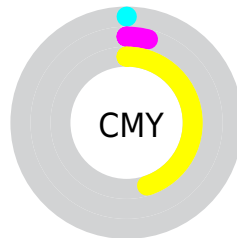


Cyan (0%)

Magenta (4%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0035, 89.0946, 38.2324 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 79.0035, 89.0946, 38.2324 by changing the saturation by 10% instead.





 79.0035, 89.0946,  
38.2324


 79.0035, 89.0946,  
38.2324


480.3560,  
525.0812, 353.9439

 59.2043, 67.2300,  
25.8599


 130.9217,  
146.0801, 73.6716

 43.0246, 49.2715,  
16.4940


 163.7714,  
181.9698, 97.5753

 30.0990, 34.8349,  
9.7163


201.7020,  
223.3032, 126.1599

 20.0622, 23.5357,  
5.1081

245.0789,  
270.4649, 159.8438

 12.5488, 14.9896,  
2.2510

294.2674,  
323.8391, 199.0456

 7.1934, 8.8121,  
0.7036

349.6328,

 3.6308, 4.6188,

383.8103, 244.1839

0.0000

411.5406,  
450.7629, 295.6771

■ 1.4954, 2.0254,  
0.0000

■ 0.3227, 0.6222,  
0.0000

■ 79.0035, 89.0946,  
38.2324

■ 79.0035, 89.0946,  
38.2324

■ 76.7126, 87.2077,  
29.1614

■ 81.7422, 91.1777,  
49.6096

■ 74.8327, 85.4925,  
22.2312

■ 84.9496, 93.4557,  
63.4324

■ 73.3314, 83.9393,  
17.2628

■ 88.6534, 95.9429,  
79.8355

■ 72.1690, 82.5321,  
14.0463

■ 92.8768, 98.6487,  
98.9424

■ 71.2964, 81.2514, 95.0499, 100.0000,  
12.3234 108.9000

■ 70.9147, 80.6096,  
11.8216

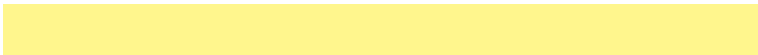
# Harmonies

## Analogous

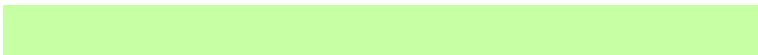
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4966, 89.0946, 39.3635



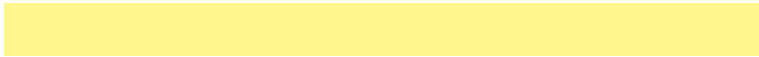
79.0035, 89.0946, 38.2324



67.4198, 89.0946, 49.2061

# Triad

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



79.0035, 89.0946, 38.2324



65.7267, 89.0946, 160.5786



113.9042, 89.0946, 123.5310

# Complementary

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



79.0035, 89.0946, 38.2324



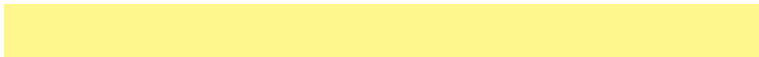
39.9408, 34.6945, 99.1992

# 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.



104.6640, 89.0946, 168.6773



79.0035, 89.0946, 38.2324



76.4391, 89.0946, 193.9002

# Square

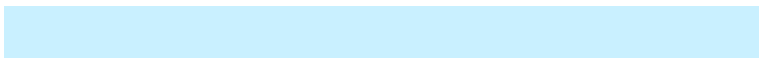
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0035, 89.0946, 38.2324



60.3583, 89.0946, 114.6181



90.6257, 89.0946, 197.2255



114.7931, 89.0946, 81.3024

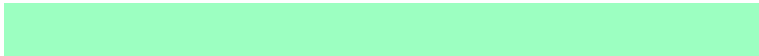


# Rectangle

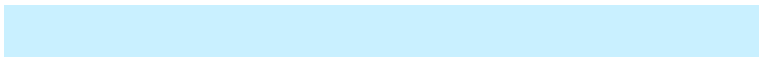
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0035, 89.0946, 38.2324



62.4641, 89.0946, 64.3856



90.6257, 89.0946, 197.2255



111.6271, 89.0946, 139.1258

# Sweetspot

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



79.0057, 89.0987, 38.2342



89.3361, 96.3886, 82.8982



56.3109, 42.5289, 34.3079



18.9330, 20.5079, 16.8981



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.



79.0057, 89.0987, 38.2342



76.8604, 87.3352, 29.7286



66.4403, 86.7808, 38.4491



19.4314, 20.8310, 19.1410



37.1060, 42.2231, 6.1942



3.6478, 4.1809, 0.6147



# Inverse Universe

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



39.9408, 34.6945, 99.1992



33.1670, 26.5037, 97.9754



48.4382, 37.0259, 99.2013



17.1181, 17.6079, 22.7464



9.6036, 4.1167, 49.7230

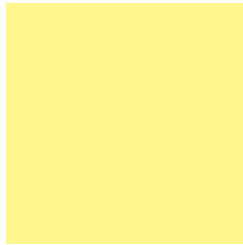


0.9729, 0.4765, 4.8540



# Previews

## White Background



This preview shows how the XYZ color 79.0035, 89.0946, 38.2324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

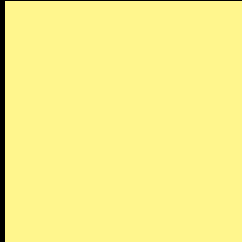
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0035, 89.0946, 38.2324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

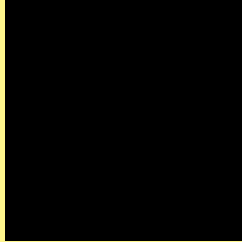
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.0035, 89.0946, 38.2324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0035, 89.0946, 38.2324.



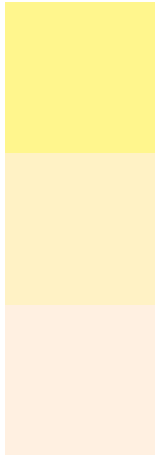
This preview shows how white text looks on a background with the XYZ color 79.0035, 89.0946,



# 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

79.0035, 89.0946, 38.2324

### Protanopia

83.0702, 88.7955, 65.5843

### Deuteranopia

85.9907, 89.0164, 83.8839



## Tritanopia

88.6030, 89.1245, 100.5285

# Trichromacy



## Original Color

79.0035, 89.0946, 38.2324



## Protanomaly

81.2264, 88.5355, 54.4029



## Deuteranomaly

82.7297, 88.6593, 63.7916



## Tritanomaly

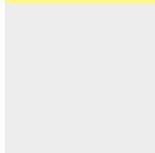
84.0805, 88.7247, 72.3686

# Monochromacy



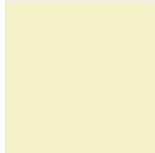
## Original Color

79.0035, 89.0946, 38.2324



## 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 79.0035, 89.0946, 38.2324 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0035, 89.0946, 38.2324 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, 141) }
```



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

```
.border{ border-color:rgb(255, 246, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0035, 89.0946, 38.2324 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, 141) }
```

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

```
.background{ background-color: rgb(255,  
246, 141) }
```

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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