

# Converting Colors

XYZ(78.3367, 86.7103, 43.2273)

Have a look what the booklet for  
XYZ(78.3367, 86.7103, 43.2273)  
contains.

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# Color

**XYZ(78.4579, 86.9082,  
43.2116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF29A
RGB	254, 242, 154
RGB Percent	100%, 95%, 60%
CMY	0.0039, 0.0510, 0.3961
CMYK	0.00, 0.05, 0.39, 0.00
HSL	53°, 98%, 80%
HSV	53°, 39%, 100%
XYZ	78.4579, 86.9082, 43.2116
YIQ	235.5560, 35.4000, -24.8240

# Conversions

## Conversions Part 2

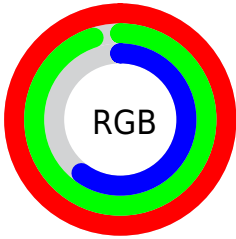
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 254, 154
Decimal	16708250
CIELab	94.70, -8.12, 43.89
CIELCh	95, 44.631, 100.482
Yxy	86.9082, 0.3762, 0.4167
Android (android.graphics.Color)	4294898330 (0xFFFEF29A)
YUV	235.5560, -40.2071, 16.1754
Hunter-Lab	93.2246, -12.9172, 37.7750

# Details

The XYZ color **78.4579, 86.9082, 43.2116** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.8517, 41.2969, 99.3730**, and the grayscale version is **79.6698, 83.8188, 91.2787**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **42.6728, 47.7932, 19.2878** is the 20% darker color. If you saturate the color by 10%, you get **75.6639, 84.3550, 32.9249**, and if you desaturate by 10%, it is **81.7189, 89.6787, 55.8643**.

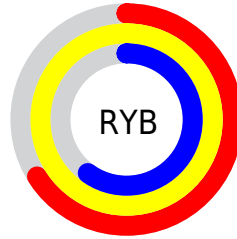
# Distribution



Red (100%)

Green (95%)

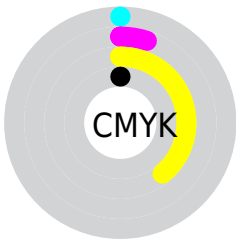
Blue (60%)



Red (66%)

Yellow (100%)

Blue (60%)

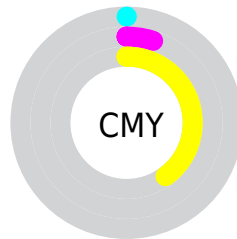


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4579, 86.9082, 43.2116 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 78.4579, 86.9082, 43.2116 by changing the saturation by 10% instead.





 78.4579, 86.9082,  
43.2116


 78.4579, 86.9082,  
43.2116


478.5366,  
517.9212, 375.4280

 58.7543, 65.4192,  
29.7185


 130.1574,  
143.0362, 81.3199

 42.6610, 47.8011,  
19.3748


 162.8839,  
178.4440, 106.7721

 29.8126, 33.6694,  
11.7619


200.6822,  
219.2602, 137.0479

 19.8437, 22.6397,  
6.4612


243.9176,  
265.8692, 172.5657

 12.3891, 14.3277,  
3.0542

292.9553,  
318.6554, 213.7441

 7.0833, 8.3490,  
1.1224

348.1608,

 3.5611, 4.3190,

378.0032, 261.0016

0.0000

409.8995,  
444.2970, 314.7567

■ 1.4569, 1.8536,  
0.0000

■ 0.2963, 0.5202,  
0.0000

■ 78.4579, 86.9082,  
43.2116

■ 78.4579, 86.9082,  
43.2116

■ 75.6639, 84.3550,  
32.9249

■ 81.7189, 89.6787,  
55.8643

■ 73.3020, 81.9955,  
24.8486

■ 85.4666, 92.6650,  
71.0143

■ 71.3425, 79.8209,  
18.8175

■ 89.7271, 95.8808,  
88.7898

■ 69.7490, 77.8165,  
14.6405

94.4258, 99.2964,  
108.7971

■ 68.4784, 75.9650, 94.6830, 99.8108,  
12.0906 108.8828

■ 67.4645, 74.2398,  
10.8200

■ 67.4042, 74.1332,  
10.7566

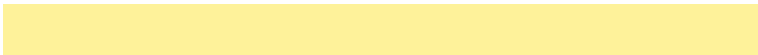
# Harmonies

## Analogous

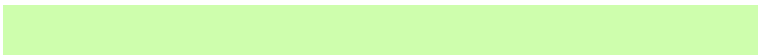
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5922, 86.9082, 44.8365



78.4579, 86.9082, 43.2116



68.4507, 86.9082, 52.5847

# Triad

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



78.4579, 86.9082, 43.2116



66.1980, 86.9082, 144.5991



106.4336, 86.9082, 118.5844

# Complementary

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



78.4579, 86.9082, 43.2116



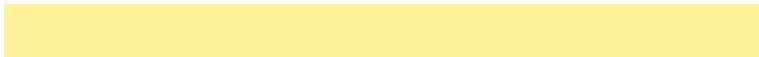
44.8517, 41.2969, 99.3730

# 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.



98.5842, 86.9082, 154.6326



78.4579, 86.9082, 43.2116



75.0991, 86.9082, 172.0007

# Square

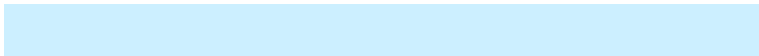
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4579, 86.9082, 43.2116



61.8434, 86.9082, 107.2268



86.8929, 86.9082, 176.0634



107.5565, 86.9082, 83.0573

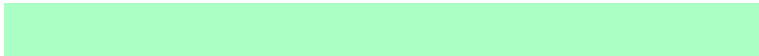


# Rectangle

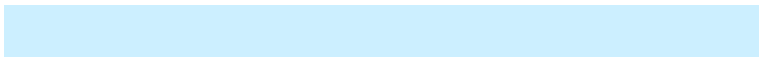
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4579, 86.9082, 43.2116



64.0303, 86.9082, 65.5452



86.8929, 86.9082, 176.0634



104.4606, 86.9082, 131.2475

# Sweetspot

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



78.4600, 86.9122, 43.2134



89.3492, 95.8643, 84.6002



59.4351, 46.9853, 42.6585



19.0017, 20.4270, 17.5935



0.0000, 0.0000, 0.0000

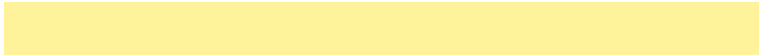


20.3446, 21.4041, 23.3091



# Same Dimension

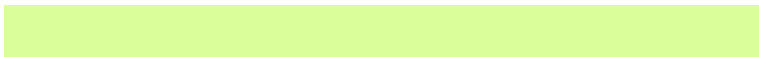
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4600, 86.9122, 43.2134



76.9684, 85.7027, 35.4627



69.9894, 88.0197, 43.8736



19.3643, 20.6968, 19.1186



35.6092, 39.2295, 5.6953



3.5174, 3.9201, 0.5713



# Inverse Universe

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



44.8517, 41.2969, 99.3730



38.8964, 34.0445, 99.1289



50.8479, 41.3012, 99.0578



17.1785, 17.7285, 22.7665



9.7367, 4.3829, 49.7674

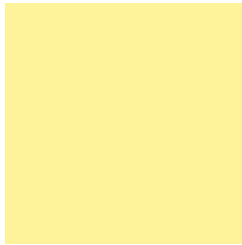


1.0013, 0.5333, 4.8634



# Previews

## White Background



This preview shows how the XYZ color 78.4579, 86.9082, 43.2116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

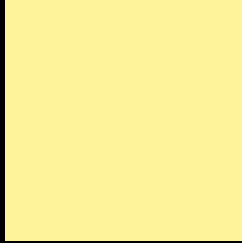
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.4579, 86.9082, 43.2116 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 78.4579, 86.9082, 43.2116**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.4579, 86.9082, 43.2116.



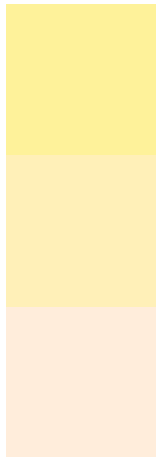
This preview shows how white text looks on a background with the XYZ color 78.4579, 86.9082,



# 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

78.4579, 86.9082, 43.2116

### Protanopia

81.0518, 87.0409, 57.8761

### Deuteranopia

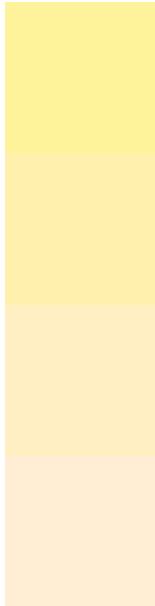
84.3104, 86.9428, 79.3558



## Tritanopia

87.1442, 86.6982, 98.5276

# Trichromacy



## Original Color

78.4579, 86.9082, 43.2116

## Protanomaly

80.2381, 87.1877, 52.1351

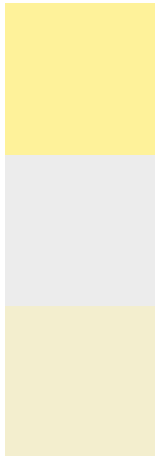
## Deuteranomaly

81.9568, 86.9331, 64.0899

## Tritanomaly

83.4079, 86.5818, 74.6033

# Monochromacy



## Original Color

78.4579, 86.9082, 43.2116

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.6773, 84.6600, 70.5868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.4579, 86.9082, 43.2116 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(254, 242, 154)` looks like.

```
.text, #text, p{  
    color:rgb(254, 242, 154)  
}
```

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(254, 242, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 242, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 78.4579, 86.9082, 43.2116 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(254, 242, 154) }
```



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

```
.border{ border-color:rgb(254, 242, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 242, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 242, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 242, 154);  
box-shadow:4px 4px 4px 4px rgb(254, 242,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.4579, 86.9082, 43.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 242, 154) }
```

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

```
.background{ background-color: rgb(254,  
242, 154) }
```

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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